

A Complete Bibliography of Publications in the
Journal of Theoretical Biology: 1960–1969

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: <https://www.math.utah.edu/~beebe/>

25 June 2024
Version 1.02

Title word cross-reference

2 [KMT65, KT65, Tri64]. $_{12}$ [VP65a]. $_{\max}$ [Fis62a]. α [Kno65, Par69, SS64]. n [Sav69b, TR65]. π [IKTN66]. r [Ber62c]. σ [IKTN66]. T_m [WGP66].

-chymotrypsin [Kno65]. **-fibrous** [Par69]. **-fold** [TR65].
-halogenoethylamines [KMT65, KT65, Tri64]. **-limited** [WGP66]. **-pool** [Sav69b]. **-salicylic** [BLT62a].

1-130 [Ano69s]. **1-185** [Ano69u]. **11** [Ano66f]. **13** [Ano69g].

2 [BS69]. **235** [Ano69g].

4 [Ber62c]. **4-** [BLT62a].

86 [Ano66f].

ability [Her69]. **Abnormal** [Ess66]. **absence** [Pol65]. **absolute** [Wal69a].
absorption [ADB61, LMB68, WO67]. **accelerated** [Wan63]. **account**
 [WO67]. **accounting** [Doe66]. **acetylcholinesterase** [SW66]. **acetylcholine**
 [Kar67, KS68a]. **Acid**
 [Rus68b, Ata66, BLT62a, Boc67, Cam67, Dou62, Eck62, GD63, Haa69, Hav66,
 KS68b, Lin61, Mil66, RFCH68, RS66, Smi66, Syk66, ZES68]. **Acid-base**
 [Rus68b]. **acids** [CRJ66, KS67, Yca61]. **across** [EH69, ERH69b, HK66,
 Kim66, Løv63, PGH63, SKB69, VPT64, Vai65c, Vai66a, Vai69]. **acting**
 [Bla67a]. **actinomycin** [Sin65]. **action**
 [BBS63, CT67, Fel68, HOD63, Kla66, Koc67b, MR68, Mur66, NM68, PVP61,
 Per62a, Rig66, Sim65a, SW67, SA66, Tri64, VWM61]. **actions** [TP63].
activated [Sem67]. **Activation** [Lov69, Mad69, Sem67]. **activators** [Kat69].
Active [Acl66, Gro67, Rap68, Acl67, Acl69, Bre67, Bri69, Coh69, CD69,
 HK66, Jah62, Vai65a]. **activity**
 [CRJ66, Heb68, Kau67, Lau69b, LG68, Ros68, Sha61, Sne66]. **adaptation**
 [Cur68, Gau64, HCS66, LM65]. **Adaptive** [PK68, Lin63]. **addition** [Dia69].
adenyl [Mad69]. **adenylate** [RB68a]. **adjusted** [SB65]. **Adjustment**
 [QZ62]. **adsorbed** [HHT65a]. **adsorption** [Hed66]. **adult** [Zaj68].
advantages [Tom66b]. **aerogenes** [DH69]. **affecting** [RB68b]. **after**
 [Wev66]. **Age** [Noo68, Bur66]. **age-specific** [Bur66]. **agencies** [Why67].
agent [Alm69]. **agents** [Alm69, Sim65a, SA66]. **aggregates** [Bro64, Van67].
aggregating [Mag69a]. **aging** [Sam66]. **aid** [Ber63]. **aids** [Day65].
aldosterone [VWM61]. **Algorithmically** [Sta65]. **algorithms** [SG63].
alkaline [Mar64]. **alkylating** [BLT⁺62b, BLT62a, HOD63, Heb68, Sim65a].
Alleles [Fis62d, Eck62, Lew62]. **allied** [Pet64]. **Allocation** [Noo66].
allometry [Ebe69]. **allosteric** [Kar67]. **allows** [AP65]. **almost** [EDT66].
almost-simultaneous [EDT66]. **along** [ZS65]. **alternately** [Ghe66].
alternately-oriented [Ghe66]. **alternative** [Par69, SP69]. **amines** [Sha61].
amino [Ata66, Eck62, GD63, Hav66, KS67, KS68b, Smi66, Yca61, ZES68].
aminotransferase [Haa69]. **ammonium** [Fel68, SW66, SW67]. **amniotes**
 [PK68]. **amniotic** [Cor65]. **amoebae** [BT62, Sha65]. **amoeboid**
 [Kav63, RB69]. **among** [BW63, PP68]. **amphibian** [HCS66]. **amplification**
 [Mor69]. **amylase** [Tho68]. **Analog**
 [Hei64, HE65a, JH69, KS68a, She67, YP64]. **analogue** [SF63]. **analogues**
 [Haa69, VP65a]. **Analysis** [BCB64a, Eng62, Fan69, Ged68, Lan63, Mag69a,
 RS62, RB68b, AKT62, AB61, BR66, BW63, CS65, CGTK67a, CGTK67b,
 CFY68, Cla67, FM69, Fri69b, GFR68, Haa69, HvR69, Hei64, Kel65, KS67,
 KS68b, Loc65, Mar61, Myh69, Orl68, PS68, Pri67a, Pri67b, Pri67c, Rap68,
 Reh68, RP68, Ric65, Sav69a, Sav69b, SS67b, SS67a, Ste68, Sug63, SF63,
 Sug66, Tak66, Tak68, TP67, Tri64, Van67, Zel68, SF63]. **angular** [Koc68b].
animal [AB61, Brl64, Geo69, Had67, Løv63, Mar61, O'N69, RD69, Wag68].
animals [BW63, Bro62]. **anionic** [SW66]. **anions** [Des65]. **anisotropic**
 [Bri69, Rap68]. **Announcement**
 [Ano63a, Ano66a, Ano66b, Ano66c, Ano66d, Ano67a, Ano69a].

Announcements [Ano66e, Ano69b]. **anomalies** [Boe63]. **antagonistic** [TP63]. **antennal** [Daw66]. **anti** [HOD63]. **anti-tumour** [HOD63]. **antibodies** [AP65, BA63]. **antibody** [AP65, Cam67, Lur69, PA63, PA68, TP63, Win63, WA65, vO63]. **Antigen** [vO63, AP65, PA63, PA68, TP63]. **Antigen-antibody** [vO63, AP65, PA63, PA68]. **Antigenesis** [Rin65]. **Antigenic** [Kil66a]. **antigens** [Sie69]. **antimetabolites** [BLT⁺62b, BLT62a]. **antisera** [Kin64]. **antitumor** [Heb68]. **Apparatus** [Mel64a]. **appearance** [Fis62a, Yam66]. **Applicability** [MH69]. **applicable** [O'S62]. **Application** [Atl68, Cze64a, Cze64b, Cze67, Hen68, Ohk67, CS65, CFY68, DS67, Kar67, Kat67, Sch68, Sem67, Res69]. **applied** [Mar67, Pol63, Reh68]. **approach** [BO65, Ber61a, Eva62, FBG⁺66a, HH69, Kor69, Lau65, Lau69a, Lau69b, Rub67, She62a, TL66]. **approximation** [BR66, Sav69b]. **April** [Ano61c, Ano66x, Ano67n, Ano68h, Ano69j]. **aqueous** [EH68, HT63, VG68]. **area** [HHT65c]. **areas** [Kom63]. **arising** [BBKL66, Par66, Par68]. **Aromatic** [Sol66a, NIT⁺65]. **Ascension** [KCE69]. **aspartate** [Haa69]. **aspect** [ZZ69]. **Aspects** [Gre66a, VP65a, Alm69, Ber64b, CM62, Con69, Els62, FW65, IJ68, Jeh67, Lew67, Mur66, PVP61, Per62a, Pol61, Sie69, Sin67, Str62, Wal66b, Wal66a, ZZ67]. **assemblies** [Lin68c]. **assembly** [McM63]. **associating** [CFY68]. **Association** [PP68, BO65]. **associations** [KS67]. **assumption** [MH69, Wal67]. **asymmetric** [Yam66]. **Asymptotic** [Mac69, dLR67]. **Atherosclerosis** [Tab67]. **Atmospheric** [Ids68]. **Atmospheric-** [Ids68]. **atomic** [RM68]. **ATP** [BDF69]. **attack** [Mal63, Ozo69]. **augmentation** [Vid66]. **August** [Ano66w, Ano67q, Ano68j, Ano69i]. **authors** [ZZ69]. **auto** [Bur66]. **auto-immunity** [Bur66]. **Autogenous** [Wad65]. **Automata** [Arb67, Ros67]. **Automatic** [RP68, Cla63]. **automaton** [SR66b, Sta65, Sug63]. **auxinic** [CRJ66]. **average** [Big67]. **axiomatic** [HR69c].

b [Wad65, VP65a]. **background** [Mor66]. **bacteria** [AAB69, DeL67, Kal68, Koc68a, Koc68b, Noa68, Syk66]. **Bacterial** [Mar63, Sai68b, Sai68a, SAFT66, Ble69, De 69, Doe66, Jar64, War67b, Wu67, YP64]. **bactericidal** [LG68]. **Bactérienne** [BP62]. **bacteriophage** [Ber62c]. **Bakteriengeißeln** [Jar64]. **Balance** [JM66, LM66]. **balances** [Ell68, WW68a]. **barriers** [vO63]. **Base** [Gat64, BS69, Fre62a, GD63, Goe67a, Rus68b]. **based** [Ghe66, Jah62, MM68a, QZ62, TP63, War67a]. **bases** [RFCH68, WP63]. **basis** [Aid66, Brl64, Fon67a, Gin67, Han69, Lin67, Lin68c, Tak66, Tak68, Wad65]. **be** [Bra65, Coh67]. **bee** [Wen61]. **beetle** [Sta66]. **behavior** [Eml66, HR69c, HR69a, Nor68, RD69, Win67, Zaj68]. **behaviour** [Ham64a, Ham64b]. **beim** [Kli66]. **benzoic** [CRJ66]. **berücksichtigung** [WO67]. **betrifft** [Hel64]. **betulinus** [PP68]. **between** [BNW62, Big67, Boy62, CPC66, Cla67, CRJ66, Coh67, Dia69, GD63, Hav66,

Hel68a, Hel68b, Kat69, Kau67, Koi66, NN66, Par67, Par64, PR66, Ren62, RPS61, Sha61, SZ65, Sim65b, Sim67, Sne66, Wag68]. **beyond** [Pla61]. **bilayer** [OF67, Ohk69]. **bilayers** [Ohk68, RH69]. **bimolecular** [EH69, ERH69b, HHT65b, HHT65c, HH66, HT63, MR68, Par67]. **binary** [WPY67]. **Binding** [Dan69, Dia69, Fis62a, Koc67c, SW66, WA65]. **Biochemical** [Psc63, Sav69a, Sav69b, Cze64a, Cze64b, Pri67a, Pri67b, Pri67c, RP68, Ros67, WPY67]. **Biochemistry** [DS66]. **biochimique** [WP63]. **Bioelectric** [BT62]. **Bioelectrochemical** [Low69]. **biogenesis** [McM63]. **Biol** [Ano66f, Ano69g]. **Biological** [UE65a, UE65b, Win67, BR66, Ber64b, Cin69, CC65, Cze67, DKGK66, Els62, Enr65, Est66, Eyl66, GH67, GdlB66, GM68, Koc62, Koc68a, Koc68b, Lin61, MH69, Mor66, Myh69, Pet64, Pie66a, Pie67, RTB67, RS62, Ros68, Sam66, Seg69, Sha61, Sim65b, Sne66, Ste64, Sti68, TR63, Tol63, Vai64, VP64, Vai66a, WW68a, Wal69a, Wal69b, Wil69, ZS66]. **biologiques** [VP65b]. **biology** [AC63, Ano65n, CM62, IJ68, Koc66, Koc69, SG61, ZZ67, ZZ69]. **Biomathematics** [Ano63b]. **biomolecules** [Yam66]. **biopolymer** [Man69b]. **biosphere** [RM68]. **biosyntheses** [Low61]. **biosynthesis** [RB66]. **biosynthetic** [Sol66a, Sol66b]. **Black** [Tie67, HHT65a]. **blood** [Eva62, EDT66, Per62b, PH66, Spe67, WZ69, Zaj68]. **blue** [Wil61b]. **Board** [Ano61a, Ano62a, Ano62b, Ano63e, Ano63f, Ano64b, Ano64c, Ano65c, Ano65d, Ano66i, Ano66j, Ano66k, Ano66l, Ano67d, Ano67e, Ano67f, Ano67g, Ano68a, Ano68b, Ano68c, Ano68d, Ano69c, Ano69d, Ano69e, Ano69f]. **body** [FM69, LM66, Per62b]. **Boer** [De 67]. **Boltzmann** [MM68a, Mac69, She67]. **bond** [RM68]. **bonding** [Loe68, PR66]. **bones** [Cur68]. **borders** [Pas67]. **both** [Nao68]. **boundary** [ERH69b, Mel64a, Mel64b, Mel64c]. **Bounds** [RKB67]. **Boyle** [Nob69]. **braid** [Shi66c]. **brain** [Ber64c, Deu63, Gar62]. **branching** [Lin68b]. **break** [Bla67b, Wol62a]. **break-up** [Bla67b]. **bridge** [Koi66, Koi67]. **bridges** [Con69]. **brief** [Ser64]. **brush** [Pas67]. **building** [Ber63]. **Bulliard** [PP68].

c [KS68b]. **calcium** [HR66, WW68a]. **calculating** [Car64, Lau65]. **Calculation** [JI69, SZ65, GFR68, Shi63]. **Calculations** [Shi66a, BS69]. **Camín** [Est68]. **can** [Bra65]. **cancer** [Ser64, TS69]. **cancerous** [Con69]. **capacitance** [EH68, HHT65a, HHT65c, Seg67]. **capacity** [Tom66a]. **Capillary** [Wil66]. **Caplan** [Ano66f]. **capture** [Bas63]. **carbamates** [Heb68]. **Carolina** [Ano63b]. **carotenoids** [PLB69]. **Carrier** [RW63, Bri66, EKH66, Vid66]. **cases** [Boe63, Sem67]. **castaneum** [Daw66]. **catalysed** [Ain68, DPW66a]. **catalysis** [Lov69, Tho68]. **catalysts** [Wil61a, Wil62]. **catalyzed** [Dia69, Koc67a, Mag69b]. **Cation** [Dun65]. **Cation-permeability** [Dun65]. **Cations** [Wya64]. **caused** [LMB68]. **Cell** [O'B67, Wei62, Bel61, Bel62, Ber62a, Ber62b, Ber65, Ble69, DG63, Dic64, GG67, Hel68a, Hel68b, HE65a, HE65b, Kau67, Kie68, KK64, LR69, Loc65, Luc64, Mel64a, Mel64b, Mel64c, MM68b, MR63, Rob68, Rot63, RS66, Sai68b, Sai68a, Sha65, SB65, Sim65c, SR66a, SR66b, Sim67, Sta65, Ste68, Tak66,

Tak68, TM68, Tru67, TB68, Wat65, Wei63, Wei64, Wei68, Wil67, Wya64, YSB65, YP64, Zaj68]. **cell-culture** [HE65a]. **cells** [Bro69, Bro63, DSB68, Doe67, Doe69, Dun65, Ehr67, Geo69, Had67, Koi66, Løv63, Sag67, Ste68, VNM69, WZ69, Zaj68]. **Cellular** [Boy62, Wei64, Aid66, Bel61, Doe68, FBG⁺66a, Gil68, Gin67, Gri68a, Gri68b, Gro69, Lin68a, Lin68b, Res69, SR66b, Sta67, Sug66, TS66, Tyl66, Wad65, Wol69]. **centering** [Beg63]. **central** [Cla64]. **cerebral** [Lau65, Lau69a, Lau69b]. **certain** [Boe63, Wal69a]. **chain** [Kli66, PLB69]. **chainlength** [SZ65]. **chains** [Ebe69, Wil61a, Wil62]. **champ** [WP63]. **Change** [Shi67a]. **Changes** [LMB68, BCB64a, Gin68, JW67, Tol62]. **changing** [GW68, Sai68b, Sai68a]. **character** [Acl67]. **characteristic** [Ano66f, Cap66a, RM68]. **Characteristics** [TI67]. **characterization** [ZES68]. **charge** [FBG66b, FBG66c]. **charged** [Mac69, Vai65b, Vai65c, Vai66a]. **check** [KM65]. **Chemical** [Cze68a, Cze68b, Cze68c, Wan63, Ber64c, Bri69, Cze64a, Cze64b, Cze67, FBG66c, Gro69, Hig68, KSK65, Pla61, Ros68, She67, Sne66, SS67b, SS67a, Sug63, SF63, Sug66]. **chemo** [Dun63]. **chemo-** [Dun63]. **chemostat** [Han69, RS67]. **chemotherapy** [BBKL66]. **chimaerism** [RG69]. **chlorinated** [CRJ66]. **chlorophyll** [Bro64]. **choice** [Coh67, Pri67a]. **chromatid** [Hed69]. **chromatids** [Kau67]. **chromosome** [SP66, SP69, Shi66c, SH64, Wol62a]. **chromosomes** [Kil66b, Par64]. **chronon** [ET67]. **chymotrypsin** [Kno65]. **cilia** [RB68a, SS64]. **Circadian** [Swa69, ET67, PZO68, Pav69, Wev66]. **circuit** [CS65, GH67, Sug63, SF63, Sug66]. **circuiting** [Reh68]. **circular** [JT69]. **circularity** [RR68]. **circulation** [She62b, SU69, WO67]. **cis** [PLB69]. **classical** [BLT⁺62b, BLT62a]. **classification** [Est66, Fis62c, FT68, Orl68, Rub67]. **clearance** [Per62b, PH66]. **cleavage** [Rap65]. **clock** [ET67]. **closed** [Wal65]. **clostridial** [Per62a]. **clustering** [Sar65]. **CNDO** [BS69]. **CNDO/2** [BS69]. **co** [Gre66a, Ric65, Sch68]. **co-factor** [Gre66a]. **co-ordinates** [Sch68]. **co-orientation** [Ric65]. **code** [Her62, Mar67, QZ62, RR67]. **coding** [Blu62, Chi65, Jeh67]. **coefficient** [Dic64, Ged68, Shi66a, Shi66d, Shi67a, Shi67c]. **coefficients** [CC65, Lau65, Lau69a, TM68]. **coexist** [RS67]. **coexistence** [PP67]. **Cohesion** [Bro63]. **coil** [MM68a, Par69]. **coiled** [Par69]. **coiled-coil** [Par69]. **coincidence** [TR65]. **Coleocheate** [Kor69]. **coli** [Eng62, SH64]. **colicin** [Hed66]. **colicinogenic** [Fre63]. **colicins** [CT67]. **collagen** [Dav66]. **Collection** [Tru67]. **collections** [Pie66a, Pie67]. **collective** [Sha65]. **College** [Ano63b]. **Collision** [Man69a, Pol63]. **colloids** [De 67]. **colloquium** [Ano65n]. **colonies** [Wal65]. **colony** [Wen61]. **colour** [Wil61b]. **columnar** [Lau69b]. **combined** [SF63]. **commaleless** [Her62]. **comment** [SW66, Tri69, vdS69]. **Comments** [Agi69, Fel68, Goe67a, Hug68, IJ68, ZZ69, Agi63, Agi64, Ros68, Vai66a]. **common** [Boy66, BBS63]. **communication** [Alt65, BW63, Bos68, Mar61]. **community** [Bla66]. **comparative** [Ain68]. **comparison** [Kos62]. **compartment** [Myh69]. **compartmental** [JM66]. **compartmentalization**

[MLH66]. **compatibility** [Gof66]. **compensatory** [Sam66]. **competent** [AAB69]. **competition** [Sim67, Wue69]. **Competitive** [WA65]. **complementarity** [Els69]. **Complements** [VP65b]. **complex** [Cen68, GC68, KT65, Sch68, SS66, Ste68]. **complexes** [Cin69, PA68, Whi65]. **complexity** [Ter65]. **component** [Sav69a]. **components** [Kil66a, Mae65a, Shi66d, Shi69b]. **composed** [BCB64a]. **Composition** [O'B67, Ata66, Fre62a, GD63, Gat64, Goe67a, HHT65a, Hav66, PA68, RH69, RM68, RB68b, Smi66, Ata66]. **Compositional** [De 69]. **compounds** [Fel68, JI69, PLB69, SW67]. **comprehensive** [Mar64]. **computational** [BBKL66]. **Computed** [Gin68]. **Computer** [Day65, Gar62, ST68, WC69, Hei64, PCB68, Pen69, Pri67a, Pri67b, Pri67c, RP68, RD69, Sta67, Sti68, SF63, TS69, War67b, YP64, Zaj68]. **Computing** [Her69, Sug66]. **Concentration** [RB68a, Kat69, MM66b, NS61, Wag68]. **concentrations** [Ged68]. **concept** [ET67, Els61, Sam66, Ser64]. **Concepts** [MM68b, Ber61a]. **concerned** [YP64]. **Concerning** [Bra68, Bri69, Rig66, Rot63]. **condition** [Rus68b]. **conditions** [Coh67, Noa68, RS67, Tyl66]. **Conductance** [Vai69, HHT65c]. **conduction** [Jah62, Ste68]. **configuration** [CF69]. **conformation** [LMB68, War64]. **conformations** [Cen68, Cen69, TP67]. **confusum** [Sta66]. **conjugation** [Wu67]. **connection** [Hel68a, Hel68b]. **considerations** [DKGK66, Man69b]. **considered** [vO63]. **consistant** [WP63]. **consistency** [Lau69a]. **constant** [Fri69b, Ged68, MH69, Ohk68, Zel68]. **constants** [CFY68, FCR67, Mag69b]. **constrained** [RB68a]. **constraints** [KS67]. **constructed** [Kau69]. **consumption** [Fuj63]. **contact** [Doe68]. **contacts** [Wei64]. **contain** [Les69]. **containing** [CGTK67b]. **content** [BW69, Gat66, Gat68, Hav66]. **Contents** [Ano63c, Ano63d, Ano64a, Ano65a, Ano65b, Ano66g, Ano66h, Ano67b, Ano67c]. **continuous** [DH69, Has66a]. **continuous-time** [Has66a]. **continuously** [Sai68b, Sai68a]. **contraction** [Arn61, Cor65, Loe68, Ull67]. **Contrast** [Alm69]. **Contribution** [Smi67, Blu62, Har63]. **contributions** [Bri69]. **Control** [Res69, CHS67, DS68, Dun65, Gri68a, Gri68b, Gro69, Kau67, Koc67b, Mil62, RTB67, Rob68, RR66, Sha65, Sug66, Wya64]. **Controlled** [Dan64, Kie68, Lin63, Wal69a, Wal69b]. **convenience** [Pet64]. **conversion** [Bas63, Cal61, Cap66b, Cap66c]. **converters** [Ano66f, Cap66a]. **cooling** [Hen68]. **cooperative** [ZS66]. **copolymeric** [Goe67b, GM69]. **cornea** [YS67]. **corphyrins** [HPW62]. **correcting** [ADB61]. **Correction** [Fri69a]. **Corrections** [Agi64, Lea65]. **correlates** [Psc63]. **correlating** [Pul62]. **correlation** [Coh67, Hav66]. **correspondences** [HM68]. **corrin** [JI69]. **cortex** [Lau65, Lau69a, Lau69b]. **count** [Fri69a, LR69]. **counter** [Vid66]. **coupled** [KSK65, She67, Win67]. **coupling** [Cap66b, Cap66c, Lau65, Lau69a, Res69, RPS61, UE65b]. **covalent** [Loe68, RM68]. **crassa** [Ber64d]. **Crick** [PR68b]. **criteria** [AC63, Bre67, Vai65a]. **Critical** [Bla66, Rap68]. **Cross** [Shi66b, Shi64, Shi66c, Sie69]. **Cross-over** [Shi66b]. **cross-overs** [Shi64, Shi66c]. **cross-reacting** [Sie69]. **crossing** [Ghe66, RTB67].

crossing-over [Ghe66]. **cryptogram** [Eck62]. **cube** [TI67]. **culture** [Cin69, DH69, HE65a, HE65b]. **cultured** [DSB68, MM68b]. **cultures** [War67b]. **Curie** [Acl66]. **current** [GH67, Kim66]. **curve** [GK69, Pri67b]. **Curve-fitting** [Pri67b]. **curves** [Ber62a, Ber62b, Ber65, GFR68, Hvr69, Spr67, TB68]. **cut** [DSB68]. **cut-and-patch** [DSB68]. **cutaneous** [Str69]. **Cybernetics** [AW65]. **cyclase** [Mad69]. **cycle** [DS66, Hor69, Tak66, Tak68]. **cycles** [Mor66, Swa69, Wil69]. **cyclic** [Cze68a, Cze68b, Cze68c]. **Cycliques** [LL62]. **cyclohexene** [PLB69]. **cylinder** [CGTK67a, CGTK67b]. **cytochemistry** [O'S62]. **cytochromes** [KS68b]. **cytosine** [BS69]. **cytostatic** [Sim65a].

D [Fis62d, BBS63, Sin65]. **dairy** [RKB67]. **dark** [Gau64]. **darmdurchblutung** [WO67]. **Darwin** [Lei69b]. **Darwinian** [Bla67a, Lur69]. **data** [BR64, Dar69, HE65b, Koc62, Koc68a, Myh69, Par67, QZ62, RTB67]. **December** [Ano66v, Ano66r, Ano67v, Ano68q, Ano69q]. **deducible** [PL67]. **defense** [Dix68, Ozo69]. **definition** [Ber61a, Des65]. **deformability** [Wei68]. **degradation** [Coh69]. **degree** [Cap66b, Cap66c]. **degrees** [PP67]. **dehydrogenase** [BLT⁺62b, Per62a, RB68b]. **dehydrogenases** [Whi65]. **dehydrogenating** [Whi65]. **denaturation** [Bra68, Urb68]. **density** [Gar67b, Mel64b]. **density-dependent** [Gar67b]. **deoxynucleotide** [Rot63]. **deoxyribonucleic** [Lin61]. **dependence** [Koc68b, Wal66b]. **dependency** [NN66]. **dependent** [Gar67b]. **depolarization** [Dun65]. **derepressed** [Sim67]. **derivation** [RP68]. **derived** [Lew66, MM68b, Sar65]. **descent** [Shi66b, Shi67d]. **described** [Shi66c]. **describing** [Ain68, Gof66, HR69c]. **description** [Ros68, dLR67]. **descriptions** [Lin68c]. **Design** [Nel63, Alm69, BLT⁺62b]. **detailed** [Gra64]. **detection** [Fis62b, PP67, Sat67]. **Determination** [BR64, CFY68, HE65b, Koi67, Ohk69, Vay65, Ber64a, BA63, CC69, Cla64, DPW66a, Day65, FCR67, Fri69a, Koi66, Mag69b, Per62b, RB63, Tie67]. **determinations** [RB68b]. **determined** [Bro64]. **determining** [JD69]. **deterministic** [Eng68]. **developing** [GC69]. **Development** [DP69, AW65, Arb67, Daw66, Kor69, Lin68a, Lin68b, VNM69]. **developmental** [Her69, IJ68, ZZ67, ZZ69]. **diagrammatic** [Hil66]. **diagrams** [Lov69]. **dicarboxylic** [Haa69]. **Dielectric** [Ohk68]. **difference** [Fis62b]. **differences** [Kau67, Nas69]. **different** [Pie66a, PP67, Pie67]. **differential** [BR66, Cal68, YP64]. **Differentiation** [Gil68, Kau67, Rin65, Sim65c, Wol69]. **difficult** [BNW62]. **diffuses** [O'S62]. **diffusion** [Dic64, EH69, ERH69b, FW65, Gol69, Pas67, SKB69, TM68, Vai65b]. **Diffusional** [GB62b]. **digestive** [WO67]. **digital** [Pri67a, Pri67b, Pri67c, RP68, RD69, SF63, War67b]. **Dilemma** [Lei69b]. **dilution** [EDT66]. **dimensions** [FBG66b]. **dimeric** [Ain68]. **d'intérêt** [WP63]. **diphosphopyridine** [Gra64]. **diploid** [Shi66a, Shi69a]. **dipole** [FBG66b, FBG66c]. **dipoles** [Ghe66]. **Directive** [Why67]. **discontinuous**

[Nor68]. **discrimination** [Boy62]. **discussion** [Hel68b, Mae65a]. **disease** [Fre62b]. **diseases** [Gof66]. **dissociable** [CGTK67b]. **distinction** [Dia69]. **Distortion** [SP69, Par66, Par68]. **distribution** [BW69, De 69, GM69, HE65b, Koc66, Per62b, RM68, SP66, SZ62, SZ65]. **distributions** [FBG66c, Hol66b, LR69, Noo68, Koc69]. **disulfide** [Lev62]. **diversity** [Pie66a, Pie66b, Pie67]. **dividing** [Noo68]. **Division** [Wen61, Bel61, Psc63]. **DNA** [AAB69, CF69, De 69, DV66, Erh69a, Fon67a, Fon67b, Fre62a, GD63, Gat63, Gat64, Gat66, Gat68, GC68, Goe67a, Goe67b, GFR68, GM69, Kal68, Kau67, Les69, Lew67, MM66b, MM66a, Nao68, Pai62, Phi69, PR68a, Pol61, Sib64, Sto65, Zár69]. **DNA-dye** [GC68]. **Do** [DSB68]. **documents** [ZP65]. **does** [GH67, Les69]. **dog** [EDT66, HR66]. **dominance** [Cro63]. **dosage** [Ano69g, Har63, KT66, KT69, Nel62]. **dose** [GK69]. **double** [Fis62b, McM63, Phi69, Sch62]. **double-helical** [Phi69]. **doubling** [HE65b]. **doubling-time** [HE65b]. **down** [Pic66]. **drastically** [Kom63]. **drop** [GG67]. **Drosophila** [CB61, Car64]. **drug** [Ano69g, Hom67, KT66, KT69, Nel63, Wag68]. **dual** [RB68a]. **Duplication** [Ble69, SH64, WW68b]. **duration** [Doe68, Wev66]. **during** [Cla67, DD66, Erh69a, EH69, Hen68, Koc64, McM63, Nel62, Phi69]. **Duval** [Sta66]. **dye** [GC68]. **Dynamic** [KP67]. **Dynamical** [Fon67a]. **dynamics** [Ber61b, Ber61a, Ber64a, Ord69, Wil67].

E. [Ano69g, Eng62]. **early** [PK68]. **earth** [Mar64, Yam66]. **ecological** [Gar67a, Gar67b, KP67, Pie66b]. **ecology** [AB61, BKK66, Mae65a, Mae65b]. **editor** [Agi69, Fis62d]. **Editorial** [Dan67a, Dan67b, Ano61a, Ano62a, Ano62b, Ano63e, Ano63f, Ano64b, Ano64c, Ano65c, Ano65d, Ano66i, Ano66j, Ano66k, Ano66l, Ano67d, Ano67e, Ano67f, Ano67g, Ano68a, Ano68b, Ano68c, Ano68d, Ano69c, Ano69d, Ano69e, Ano69f]. **Effect** [Gar67a, GB62a, Shi67b, Sin65, Gar67b, KT69, Lad64, Myh69, NS61, Shi64, Shi66b, Tol62]. **effective** [Bro64, Wil69]. **effectiveness** [HR66]. **Effects** [Cen69, Ain68, Atl68, BDF69, DKGK66, Fru65, Ids68, PZO68, RTB67, SZ62, Wei68, Cen68]. **efficiency** [Cap66b, Cap66c]. **eggs** [Rap65]. **einfaches** [Hel64]. **ejection** [Zár69]. **electret** [Wob68]. **electric** [Vai66b]. **Electrical** [EH68, Seg67, Deu63, Fru65, HHT65b, HWJ69, PR68a, Ste68, Vay65]. **electroencephalography** [Dew64]. **electrolyte** [Lev66, Vai65b, VG68, Vai69]. **electrolytes** [Pas67, Vai64, VP64, Vai65c]. **Electron** [Mur66, Mal65, Pul62, UE65a, UE65b]. **Electronic** [BL69, PVP61, BS69, CRJ66, Jah62, JI69, Per62a]. **electronique** [VP65b, WP63, VP65a]. **electrophoresis** [GB62a, Mel64c]. **Electrophoretic** [WOB62a]. **Electrostatic** [VG68, GC68]. **Electrostatics** [FBG⁺66a, FBG66b]. **elements** [SR66b]. **elongation** [Loc65]. **elution** [HvR69]. **Emerson** [Tol62]. **emission** [Bro64]. **empathy** [HR69b]. **empirical** [GFR68, Haa69, IKTN66]. **empiricism** [Sok62]. **encoding** [Par66, Par68]. **endemicity** [Bla66]. **endings** [KS68a]. **endomessenger**

[Had67]. **endothelium** [SKB69]. **energetics** [PR68b]. **energies** [GFR68].
Energy [Acl69, Bas63, Ano66f, Atl68, BL69, Cap66a, Cap66b, Cap66c, Cla63, D'A63, FBG66c, Hel68a, Hel68b, LM66, Nas69, O'N69, Res69, TR63, Wol62b].
energy-rich [BL69]. **enlargement** [Koc64]. **entrainment**
 [Han69, Swa69, Wev66]. **Entropieerzeugung** [Hel64]. **entropies** [GFR68].
entropy [Wil66]. **Enumeration** [Fis62c, HM68]. **Environment**
 [Mae65b, Coh66, Coh67, Hel68a, Hel68b, Lev64, Mae65a, Sai68b, Sai68a].
environmental [Atl68]. **environments** [Bro62]. **Enzymatic**
 [Bla67b, Sav69a]. **Enzyme**
 [Kno65, Ain68, BLT⁺62b, Cen68, Cen69, Cze68a, Cze68b, Cze68c, DPW66a, DPW66b, Dar68, Dia69, FCR67, Fis62a, Haa69, Hei64, HH69, Kat67, Kat69, Koc67b, Lov69, Mag69b, O'S62, PL67, RB68a, Res69, Sem67, Wal66c, Wal67].
enzyme-catalyzed [Dia69, Mag69b]. **enzyme-substrate** [Cen68]. **enzymes**
 [EMM68, Lin63, Sch62, Wya64]. **enzymic**
 [Cen68, Cen69, DS67, Kos62, RP68]. **epidemics** [RKB67]. **epigenesis**
 [Kau69]. **epithelial** [Pas67]. **equation**
 [Bar65, BBKL66, Fri69b, Ged68, JD69, Kat67, MM68a, Mac69, WA65, Zel68].
Equations
 [Bur66, Agi63, Agi64, Bri69, Cal68, Dar69, Lau65, Lau69a, Sem67, YP64].
equilibrium [CFY68, RM68]. **equivalence** [PEC69]. **equivalent**
 [Sug63, SF63, Sug66]. **equivivant** [Tru67]. **Errat** [Ano64d]. **Errata**
 [Ano64e, Ano64f, Ano67h, Ano67i, Ano68e, Ber62b]. **Erratum**
 [Ano63g, Ano65e]. **error** [Fri69a, Myh69]. **errors** [Noo66]. **erythrocytes**
 [LL69, RPS61]. **Escherichia** [SH64]. **estimate** [Bro64]. **Estimation**
 [Spr67, TM68, CB61, O'N69]. **Etude** [BP62, WP63]. **evaluation**
 [Koc62, Koc68a]. **even** [Zár69]. **Événements** [LL62]. **events** [Car64].
Evidence [Par67]. **Evolution**
 [Hol68, Lew61, Ata66, Cro63, DD66, Els63, Fre62a, Ham64a, Ham64b, Kil66b, Lei69b, RR68, RTB67, Spe64, WW68b, Why67]. **evolutionary**
 [Bla66, Cal68, Hol66b, ZP65]. **exact** [KT69]. **exactly** [Koc66]. **examination**
 [Hed66, Par67, PR68b, RPS61]. **exchange**
 [CGTK67a, CGTK67b, ERH69b, Løv63, SP69]. **exchanger** [Seg67].
exchanges [Hed69, SP66, Wol62a]. **excitability** [MR63]. **excitable**
 [Dun65, JH69]. **excitation** [Kno68]. **Excitatory** [Dun63]. **excited** [BS69].
excretion [Mil66, Nel62]. **exist** [Coh67]. **existence** [GM69]. **exo**
 [BLT⁺62b, BLT62a]. **exo-alkylating** [BLT⁺62b, BLT62a]. **expanding**
 [LP66]. **experiment** [Noo66]. **Experimental**
 [RPS61, Cha66, FM69, MR68, Cze68c]. **experiments** [She62b, SU69].
explanation [Boe63]. **exponential** [Van67]. **exponentially** [TB68].
expression [Els69, Fis62a]. **extended** [Lew66, RFCH68]. **extension**
 [Bel61, QZ62]. **Eye** [Beg63]. **Eye-centering** [Beg63].
Facilitated [Sne65, Gol69]. **factor** [Gre66a, Kau67, Ros67, Sin65]. **factors**
 [Atl68, BLT⁺62b, Ber64a, Fre63, Kor67, RB68b]. **false** [Hed69]. **families**

[Lei68]. **fat** [BBS63, PF67]. **fauna** [PP68]. **feature** [Gre66b]. **February** [Ano66t, Ano67p, Ano68m, Ano69o]. **feedback** [DS68, Gri68a, Gri68b, HR66, Kie68, Mel64a, TM68]. **feedback-controlled** [Kie68]. **female** [Hor69]. **ferroporphyrines** [VP65b]. **fertilization** [PK68]. **fibers** [Pic66]. **fibrillar** [Dav66]. **fibrous** [Par69]. **Field** [Dan64, Fri69b, Ged68, MH69, Zel68]. **fields** [Hol66a, Wad65]. **filament** [RB69]. **filamentous** [Her69]. **filaments** [Lin68b, Lin68a]. **films** [CC69, VG68, Vai69]. **find** [BNW62]. **Fine** [CHS67]. **finite** [BCB64a, FBG66b]. **fishery** [Pel69]. **fitness** [Bod63, CB61, Lev64]. **fitting** [Haa69, Pri67b]. **fixation** [Pra62]. **fixed** [CS65, FBG66c, FBG66b]. **fixed-rotating** [CS65]. **fixing** [DP69]. **flagella** [Doe66, Jar64]. **Flavin** [Gra64]. **flocculation** [WOB62a, WOB62b]. **flour** [Sta66]. **flow** [Bri69, Cap66b, Cap66c, EKH66, Eva62, EH69, FW65, Kli66, Mel64a, Mel64b, Mel64c, PGH63, Per62b, PH66, Sch68]. **flows** [EDT66]. **fluctuating** [Swa69]. **fluctuations** [Mor69]. **fluid** [YS67]. **fluids** [Cin69]. **fluorescence** [Cla67]. **flux** [Ess66, Vid66]. **Fluxes** [Bri66, Hil66, O'N69]. **fold** [TR65]. **follicles** [Cla64]. **following** [WZ69]. **food** [Ebe69, O'N69]. **Force** [Ell68, Ano66f, Cap66a]. **Force-balances** [Ell68]. **forces** [Doe69, Kor67]. **foreign** [Boy62, FM69]. **form** [Dar69]. **Formal** [Ano69g, KT66, KT69, KS67, KS68b, WO67]. **formale** [WO67]. **Formalized** [dLR67]. **formation** [FM69, Kor67, Lur69]. **formulation** [Hel68a]. **Founding** [Lei68]. **four** [Cze68b]. **four-step** [Cze68b]. **fractionation** [Mel64a, Mel64b, Mel64c, dD64]. **Franck** [Ros64]. **free** [Mel64a, Mel64b, Mel64c]. **frequencies** [BCB64b, Gat63, Wu67]. **frictional** [DG63, Ess66]. **Fries** [PP68]. **frost** [Lev62]. **Function** [O'B67, Ata66, Hig68, Lin61, Mar64, She67, SS67b, SS67a, Vai69, Wal66b, Wal66a]. **Functional** [Sug63, SF63, Sug66, DL69b, GD63, Gat64, Goe67a, Sim67, Tri69]. **functions** [BR64, Blu68, FBG66c, Tru67, Wil61a, Wil62]. **fundamental** [Ber61a, Gre66b]. **Further** [BLT+62b, Tak68].

games [Lew61, War67a]. **Ganghöhen** [Jar64]. **gap** [Koi67]. **gas** [Ohk67]. **Gatlin** [Goe67a]. **gene** [CS66, Daw66, Gri68a, Gri68b, Kau67, Lin63, Ren62, Shi66a, WW68b]. **gene-controlled** [Lin63]. **gene-set** [Shi66a]. **general** [Est68, Hel68a, Hel68b, Wal66c, Wat65, Cze68a, Cze68b, RW63]. **generalization** [De 67]. **Generalized** [Shi67c, DL69b, Els69, Shi66d, Tri69]. **generating** [Koc66]. **generation** [Fri69a, Kal68, Lew62]. **Generator** [Pri67c]. **genesis** [Tab67]. **Genetic** [RR68, BCB64a, Fra62, FBM66, Gat63, HM68, Kau69, Nao68, RR67, RR66, Ser64, Ter65, Wu64]. **genetical** [Bar62, Ham64a, Ham64b]. **genetics** [Has66a, Hol66b, WGP66]. **genotype** [HM68]. **genotype-phenotype** [HM68]. **genotypes** [BO65]. **genotypic** [BCB64b]. **Geometrical** [Rap65]. **geometrically** [RB68a]. **German** [Jar64, Kli66, WO67]. **gestation** [Fei67]. **gland** [DS68]. **glandular** [DiS69]. **Globular** [Luc64]. **glucose** [Pol63]. **glucosuria** [WGP66]. **glutamate**

[Gar62]. **glycoproteins** [Eyl66]. **go** [Pla61]. **Goldman** [Bar65, MH69]. **gradient** [Mel64b]. **gradients** [Doe67]. **Grain** [LR69, Fri69a]. **grain-count** [Fri69a]. **graph** [Bro69, Est66]. **Graphic** [Van67]. **graphical** [HvR69]. **great** [Pen69]. **green** [KCE69]. **group** [HHT65b, Shi63, Shi66c, Shi67c, UE65a]. **groups** [Pla61, Rub67, Sar65, Spr67]. **growing** [GB66, GGW68, Koc68a, TB68]. **growth** [Blu68, Bro63, Fuj63, HE65a, HE65b, Koc64, PCB68, Spr67, Sta66, SAFT66, TI67, Wil67, ZS65]. **growth-rate** [HE65b]. **guanine** [BS69]. **guanine-cytosine** [BS69]. **guessing** [War67a].

H [She67]. **H-theorem** [She67]. **halogenoethylamines** [KMT65, KT65, Tri64]. **halving** [Fri69a]. **Hamaker** [De 67]. **hamsters** [Cha66]. **haploid** [DD66]. **haptan** [WA65]. **haptan-antibody** [WA65]. **harmonic** [Mar67]. **heart** [Spe67]. **Heat** [Per62b, PH66]. **Helical** [CF69, Fon67a, Hav66, Phi69, TP67]. **helix** [MM68a, McM63]. **helix-coil** [MM68a]. **hemoglobin** [Sne65]. **hemoglobins** [Ata66]. **hemolysis** [WZ69]. **herds** [RKB67]. **hereditary** [RTB67]. **heredity** [Pat67]. **hermaphroditism** [Smi67, Tom66b]. **heterogeneity** [AP65, BA63]. **heterogeneous** [Kal68, Lev64]. **heterozygote** [Bod63]. **heterozygotes** [Fis62b]. **hexagonally** [Ell68]. **hexagonally-packed** [Ell68]. **hibernating** [Cha66]. **hibernation** [Hen68]. **High** [Mal65, Boe63, D'A63]. **higher** [Arn68]. **Hill** [Ano66f, Cap66a]. **histograms** [Bra65]. **Histological** [Lau65]. **histology** [She62a]. **histone** [Bae64]. **history** [Hol67, ZP65]. **hit** [Hed66]. **Hodgkin** [Agi63, Agi64, Lew66]. **Hoff** [Nob69]. **home** [JT69]. **homeostasis** [Sim67]. **homologous** [KS68b]. **homology** [De 69]. **homozygosity** [Shi66b, Shi67d, Wal65]. **honey** [Wen61]. **hormone** [DiS69, Mad69, Rig66]. **host** [BNW62, Gre66b]. **hosts** [BNW62]. **Hückel** [RFCH68]. **Human** [Wil61b, CHS67, CS68, Eml66, Fan69, HR69c, HR69a, Kom63, LL69, MM68b]. **Huxley** [Agi63, Agi64, Lew66]. **hybrid** [Sug66]. **Hydration** [YS67, Lew67]. **hydrocarbon** [HHT65a]. **hydrodynamic** [Mel64a]. **hydrogen** [PR66, Res69]. **hydrophobicity** [Big67]. **hydroxylamine** [NM68]. **hydroxylation** [Sol66a]. **hyperbolic** [Gat64, Goe67a]. **hypochromicity** [HL64]. **hypophysial** [DS68]. **hypothalamo** [DS68]. **hypothalamo-hypophysial** [DS68]. **hypotheses** [Hed66, Mil66]. **hypothesis** [BBS63, CC65, Dou62, Gra64, Had67, HKG68, Lev62, Lin63, PR68b, Rig66, Rot63, RPS61, SP69, Sim65a, Tab67, Wei62, Yam66]. **hypotheson** [Bar62].

icosahedron [Han67]. **idea** [AB61, Sug63]. **idealized** [FBG66c]. **ideas** [Atl68]. **identification** [DS68]. **II** [Alt65, Ber61b, Ber62c, Ber64d, Cen69, Cze64b, Cze68b, FBG66b, Gat68, Gri68b, Ham64b, Hel68b, Koc68a, Koc69, KT69, KS68b, Lau69a, Lin68b, Mel64b, Pri67b, QZ62, Sav69b, SU69, SR66a, Sug63, Tak68, UE65b, WOB62b, Wil62]. **III** [Cze67, Cze68c, HK66, Lan63, Lau69b, Lev64, Mel64c, Pri67c, SR66b, SF63].

illustrating [Tyl66]. **imidazole** [UE65b, UE65a]. **immaturity** [Len62].
immune [Sic69]. **immunity** [Bur66, For69]. **immuno-electrophoresis**
 [AKT62]. **immunological** [Fit64, Len62]. **impact** [Lei69b]. **impermeable**
 [vO63]. **implanted** [Kor67]. **implication** [Bla66, Cze68c]. **implications**
 [Mac69, WW68b]. **imposing** [Gar67a]. **impulse** [NN66, Pic66]. **inbred**
 [Wal65]. **inbreeding** [Shi66a, Shi66d, Shi67a, Shi67c]. **inception** [Sat67].
include [UE65b]. **incompatibility** [Lew62]. **incorporation** [PS68].
increase [Gar67b]. **increasing** [Kom63]. **Increment** [Gau64].
independence [Seg69]. **independently** [GM69]. **Index**
 [Ano62c, Ano63h, Ano63i, Ano64g, Ano64h, Ano65f, Ano65g, Ano66m,
 Ano66n, Ano67j, Ano67k, Ano69h, Ano69i, Ohk68, Shi69a]. **Indicator**
 [EDT66, PEC69]. **indices** [Shi69b]. **indigenous** [Boy62]. **Indirect** [O'N69].
individual [Shi69a, Wal66a]. **individuals** [BNW62]. **Induced**
 [MR63, Eng62, Hei64, Ids68, JW67, LL69, Mal65, SP66, SP69, Tol62].
induction [Len62, Lin63, PL67]. **Inertial** [Brl64]. **infectious** [Gof66].
infinite [Cal68]. **inflection** [Wal67]. **Influence**
 [EH69, Hed69, Kat69, RH69, HHT65a, Koc62, MM66a]. **Information**
 [Orl68, Atl68, BW69, Gat66, Gat68, Had67, Lei66, Lei69a, Nao68, Spe64,
 Wol69, AW65, Kli66]. **information-transmission** [Spe64].
Informationsfluß [Kli66]. **infrequent** [PP68]. **Ingraham** [Kat67].
inheritance [Boy66, Fis62c]. **Inhibition** [Vid66, Cen69, Haa69, Sem67].
inhibitor [BLT62a]. **inhibitors** [BLT⁺62b, Kat69, SW66]. **initial**
 [HH69, JD69, Wei64]. **initiation** [Ble69, Bur66]. **initiation-rates** [Bur66].
injection [NS61]. **injury** [DSB68, Koi67, Lev62]. **inlet** [PEC69]. **Inorganic**
 [Cin69]. **Inorganic-organic** [Cin69]. **input** [PEC69]. **inputs**
 [JM66, Lin68a, Lin68b]. **Insect** [Daw66, Mil62, PP68]. **insects** [Mil66].
insoluble [PA68]. **instability** [Tyl66]. **insular** [Bla66]. **insulin** [Kla66].
intact [Wag68]. **integrated** [JD69]. **integration** [Pri67a]. **integumental**
 [Bue67]. **integuments** [Bue66]. **interacting** [CGTK67b, Pav69, PCB68].
Interaction [BNW62, Ain68, De 67, Ess66, Gin68, KMT65, Koc67c, OF67].
Interactions
 [Par64, CPC66, GC68, Gin67, Lew69, Lin68a, Lin68b, VP66a, VG68].
intercalation [GC68]. **intercellular** [Con69, Gin67, Koi66, Koi67].
interdependent [Wal66a]. **interest** [Cal68]. **interfacial** [Kor67].
Interference [Shi64, Boe63]. **Interferometry** [Tol63]. **interferon** [GK69].
interior [Dic64]. **Interlayer** [OF67]. **Interlayer-interaction** [OF67].
intermediary [Kla66]. **intermediate** [DPW66b, DS67]. **intermediate-one**
 [DS67]. **intermediates** [DPW66a, Mag69b]. **Internal** [PK68, Ged68].
interpretation [Ber62a, Ber62b, Boy66, Lad64, Tol62]. **Interrelated**
 [SR66b]. **interval** [Bra65]. **intervals** [NN66]. **intra** [Cor65]. **intra-amniotic**
 [Cor65]. **intracellular** [Coh69]. **intragenic** [Ber62c, Ber64d]. **intravenous**
 [NS61]. **Introduction** [NO66]. **Inverse** [BKK66]. **inversion**
 [BBKL66, FBM66]. **invertebrate** [Rap65]. **Investigation**
 [Myh69, Dan69, Wev66]. **involved** [Kor67, Pul62, Wer65]. **involving**

[Cen68, Cen69, Vid66]. **Iodoacetamido** [BLT62a]. **Ion** [KK64, Kim66, Dan64, Ged68, Mil66, Rob68, Seg67, VP66a]. **ion-exchanger** [Seg67]. **Ionic** [Lew69, Fru65, Lin67, MM66a]. **ionizable** [Sar65]. **ionization** [Sha61]. **ionizing** [Atl68]. **ions** [Dan69, Jah62, Vai66a]. **iron** [Jan64]. **Irreversible** [DG63, Acl67, BLT62a, Ber64b, HK66, Hil66, Loc65]. **Island** [KCE69]. **Isolated** [Cze64a]. **isomerism** [PLB69]. **Isotope** [Ess66, CGTK67a, CGTK67b, Mal65]. **isotropic** [Rap68]. **Iterative** [RFCH68]. **IV**. [Hil66, PA63, RP68, Sim67, Sug66, War64]. **IX** [Sta66].

J [Ano66f, Ano69g]. **James** [Ros64]. **January** [Ano61b, Ano62e, Ano63j, Ano64i, Ano65i, Ano66p, Ano67l, Ano68i, Ano69k]. **July** [Ano61d, Ano62d, Ano63k, Ano64j, Ano65h, Ano66u, Ano67m, Ano68f, Ano69s]. **June** [Ano67u, Ano68n, Ano69r].

keeping [KM65]. **keratin** [SS64]. **kettenmolekülen** [Kli66]. **kidney** [FW65, PH66]. **kinase** [RB68a]. **Kinetic** [CGTK67a, CGTK67b, PS68, BR64, Ber64c, Cze68a, Cze68b, Dar69, Dia69, Haa69, Koc62, Koc68a, Pri67a, Pri67b, Pri67c, RP68, SS67b, Cen69]. **Kinetics** [Fuj63, GL65, Goe67b, Gol69, Koc67a, LL69, Nel62, Wag68, WZ69, Cen68, Cen69, DPW66b, Dar68, Gar67c, Hed66, KSK65, PL67, Pol63, Wal67, WO67, Wol62a, ZS65, ZS66, RS66, SR66a]. **kinetik** [WO67]. **king** [Shi67c]. **Klebsiella** [DH69]. **Krüger** [Ano69g].

labeled [Bro69, LR69, PEC69, TB68]. **labeling** [Bro69]. **labelled** [PS68, Tak68, Tak66]. **labile** [Koc62]. **labor** [Wen61]. **lack** [LM65]. **lactic** [BLT⁺62b, RB68b]. **Laminar** [Mel64b]. **lanosterol** [Sol66b]. **lanosterol-possible** [Sol66b]. **Laplace** [BBKL66]. **large** [Pla61]. **lattice** [EKH66, Ohk67]. **law** [Els61, Hel68a, Hel68b, Hen68, O'S62, Sav69a, Sav69b]. **laws** [RP68]. **layers** [EH69, ERH69b]. **Lea** [Hug68]. **leaf** [Boy66]. **leaflets** [HHT65b, HT63, Par67]. **learned** [Bra65]. **Learning** [Deu63, Aid66, Mal63, RTB67]. **Lebewesen** [Hel64]. **lecithin** [HHT65b, Par67]. **legumes** [DP69]. **Lethal** [Sim65a]. **Letter** [Fis62d, Agi69]. **leucocytes** [WOB62a, WOB62b]. **level** [CT67, Gra64, dF62]. **Lewis** [Fis62d]. **Liapunov** [Hig68, She67]. **liberator** [Kel67]. **life** [CS66, Cin69, Coe68, Fit64, Fon68, Gil64, Hol67, Kom63, MM68b, Pat67]. **life-span** [Fit64]. **lifetimes** [Man69a]. **light** [DKGK66, FR64, Koc68b, LMB68, Mil66, Swa69, Tol62]. **light-induced** [Tol62]. **limit** [Hol66b]. **Limitations** [HvR69, Hul69]. **limited** [SP69, WGP66]. **limiting** [Ber61b, Sin65]. **limits** [Gar67a]. **Line** [GG67]. **linear** [Ano66f, Cap66a, Haa69, LP66, MM68a, Van67]. **lines** [BCB64a, Cha66, Wal65]. **linkage** [Ben63]. **linkages** [Lew69]. **lipid** [CC69, Dan66, EH68, EH69, ERH69b, Gre66b, HHT65a, HHT65c, HH66, HT63, Luc64, MR68, Ohk67, OF67, Ohk68, Ohk69, RH69, Tie67, VG68, Vai69]. **lipoprotein** [TB66]. **lipoproteins** [DL69a]. **liver** [ST68]. **living**

[Pol65, RS66, SR66a, SR66b, Sim67]. **Local** [PH66, Per62b]. **Localized** [Kor67]. **locomotion** [Kav63]. **locomotive** [Wei64]. **log** [Koc66, Koc69]. **log-normal** [Koc66, Koc69]. **logarithm** [Koc66, Koc69]. **logic** [WPY67]. **logical** [Mar61, Sug63, SF63, Sug66]. **logics** [HR69c, HR69a, HR69b]. **Logistic** [Blu68]. **London** [CPC66]. **long** [Fit64, Hug68, KS67, Lea63, Lea65, Par67]. **long-range** [KS67, Par67]. **Lotka** [Gar67a]. **low** [Alm69]. **lunar** [Gil64]. **lung** [LG68]. **lymphoblasts** [MM68b]. **lymphocytes** [CS68, Cou69, Fan69, Fit64]. **lysogenic** [Noa68].

machine [RTB67]. **machines** [Cai61, Chi65, RTB67]. **macromolecales** [ZS66]. **macromolecule** [Man69a, ZS65]. **macromolecules** [Coh69, Dan69]. **macrophages** [Jan64]. **made** [Coh67]. **Magnesium** [WW68a]. **Magnesium/calcium** [WW68a]. **magnitude** [Fre62b]. **Maintenance** [BDF69]. **makes** [Mar64]. **making** [Gar67b]. **Makower** [Kat67]. **mammalian** [Cro68, DSB68, Low61, Tom66a]. **man** [Beg63, Wag68]. **manufacture** [Sha65]. **mapping** [Boe63, Wu64]. **March** [Ano62i, Ano63l, Ano64k, Ano65k, Ano67t, Ano68o, Ano69t]. **markers** [SZ65, Wu67]. **Markov** [DS67, Wen61]. **mass** [Sta66]. **masses** [PEC69, Ste68]. **material** [LM66]. **Mathematical** [Kel65, Lau65, Lau69a, Lau69b, Lin68a, Lin68b, Noo65, Wal66b, Wal66a, Els69, Est66, Gof66, KS69, PZO68, Sav69a, Sta66]. **Mathematics** [Gri68a, Gri68b, Har63]. **mating** [BCB64b, Ben63, BO65, Shi67a]. **matter** [Boy62, Per62b]. **maximum** [Car64]. **May** [Ano62g, Ano63n, Ano64m, Ano65m, Ano66q, Ano67r, Ano68k, Ano69m, Coh67]. **Mean** [Coe68, RKB67, Spr67, Wil69]. **means** [Kom63]. **Measles** [Bla66]. **measure** [GH67]. **measured** [Fre62b]. **Measurement** [JT69, Koi67, PH66, Pie66a, Pie67]. **measurements** [EDT66]. **measuring** [ADB61, LM66]. **Mechanical** [Sha65, Cro68, NIT⁺65, Pol65, Vai65b]. **mechanics** [Arn61, Pat67]. **Mechanism** [Zár69, AAB69, Bel61, Ber62c, Ber64d, Cam67, Cen68, Cen69, Coh69, Con69, DSB68, Dan64, DS67, DiS69, Gin67, Gra64, Had67, KMT65, Kla66, KM65, Mor69, NM68, Nao68, PVP61, Per62a, PR68a, Sib64, Sim65a, Sol66a, Spe64, Sto65, Syk66, Tho68, TS66, Wal66b]. **Mechanisms** [Rus68a, Ain68, Bra65, Cen68, Cen69, Cze68a, Cze68b, Dun63, Res69, Tri64, WW68b, Koc66]. **mechanistic** [Els62]. **mechano** [Vai66b]. **mechano-electric** [Vai66b]. **mechanoreceptors** [Dun63]. **media** [Cin69, GB62a, VG68]. **medullated** [Pic66]. **meiosis** [Nic66, Ric65]. **melanogaster** [Car64]. **melting** [GFR68, GM69, MM66b, MM66a]. **Membrane** [Bar65, Gin67, JH69, Lin67, Lin68c, Sch68, TM68, Tom66a, CT67, DG63, Dic64, EH68, FBG⁺66a, FBG66b, Ged68, GG67, Gin68, Hal61, HWJ69, HKG68, KK64, MR63, Ohk69, PGH63, PF67, RH69, Sem67, VPT64, Vai65b, Vai65c, VP66a, Vai66a, Vai66b, Wob68]. **membranes** [Bel62, CC65, Dan64, Dan66, EH69, ERH69b, Gro67, HHT65a, HHT65c, HH66, HK66, Jah62, Kim66, Luc64, MR68, O'B67, Ohk69, Seg67, Seg69,

SS66, Tie67, Vai64, VP64, Wan63, Wat65]. **memory** [Bra68, Urb68, Wil64]. **Menten** [O'S62]. **mesentery** [GB62b]. **messenger** [Gar67c, Pol63, Sin69]. **Metabolic** [Kau69, Koc67b, BR66, Ber64a, Koc62, MHMQ64, MLH66]. **metabolically** [Coh69]. **metabolism** [Gar62, Gre66a, Gre66b, Kla66, Koc68a, Low69, Mar64, MP63, Nel63, Pol63, Rot63, Rus68b, Wil69, Wya64]. **metal** [Dan69]. **Métastables** [LL62]. **method** [BA63, Car64, Dan69, FCR67, Fri69a, Kin64, Pri67a, Tak66, Tak68, Wal67, KS68b]. **méthode** [WP63]. **Methods** [ADB61, Lau65, Per62b, Tie67, ZES68]. **metric** [Pet64]. **micelles** [Luc64]. **Michaelis** [O'S62]. **micro** [RS67]. **micro-organisms** [RS67]. **microbial** [Fuj63]. **microscopy** [Mal65]. **microtabules** [Sub68]. **microtopography** [Tol63]. **mictic** [Shi69a, Shi69b]. **migration** [KCE69, Mel64a, Mel64b, Mel64c, Mel64c]. **milk** [PF67]. **minimum** [Wil66]. **misuse** [Seg69]. **mitochondrial** [BDF69, SA66]. **mitomycin** [Mur66]. **mitoses** [TB68]. **mitosing** [Sag67]. **mitosis** [Bro69, Nic66, Ric65, Sub68, Tak66, Tak68]. **Mitotic** [Sim67, Eng68]. **mixed** [BCB64b, Shi67a, SZ65]. **mixtures** [BCB64a, Mel64a, Mel64b, Mel64c, Mor69]. **Mobile** [VP66a, Vid66]. **mobility** [GB62a]. **mode** [Bae64, BBS63, CT67, Mur66, VWM61]. **Model** [Ste68, Ber63, Ber64c, Bue66, CT67, Cro68, CD69, DiS69, DV66, DD66, Ess66, Est66, Est68, Ghe66, GC68, Gof66, GC69, GB66, GGW68, Has66a, Has66b, Hei64, Her69, HCS66, JH69, Kar67, Kie68, KS69, KS68a, Lau69a, Lau69b, Lei66, Lev66, LG68, Lew66, Mad69, Mar64, Mil66, Noa68, OF67, PZO68, Pel69, PCB68, Pen69, RB69, SS64, SKB69, SH64, Sim65c, Sin69, SS67a, Sta67, Sti68, Swa69, TP63, TS66, TS69, Tyl66, UE65a, UE65b, VPT64, WPY67, War67a, Wil67, Wob68, YSB65, Zaj68]. **model-system** [Hei64]. **modeling** [Wue69]. **Models** [TB66, DG63, ET67, EKH66, FBG66c, Haa69, KP67, Lei69a, Lin68a, Lin68b, Noo65, Phi69, Pri67a, Pri67b, Pri67c, RP68, RD69, Ros67, Rus68a, She62b, SU69, Vid66, War64, HK66]. **modern** [Mil66]. **modification** [Mil66]. **modified** [HKG68, O'S62]. **modifiers** [Bod63, Cen68, Cen69]. **moleculaire** [WP63]. **Molecular** [DL69a, ET67, SG63, VP66b, War64, dF62, NO66, Pul62, Rin65, Sug63, Tie67, WW68b, Wer65, Wol62b]. **molecule** [Erh69a, Fon67b, IKTN66, Mur66]. **Molecules** [ZP65, GFR68, Hel68a, Hel68b, Kli66, NIT⁺65, Pla61, Sim65b, Wan63, LL62]. **monkeys** [Alt65]. **monolayers** [Ohk67]. **monovalent** [Bri66]. **morphogenetic** [Wad65]. **morphologically** [Ste68]. **mosaic** [War64]. **most** [RM68]. **motion** [RB69]. **motor** [KS68a]. **moulding** [Ham66]. **movement** [Bel61, BT62, Doe66, Wei62]. **Mulluscan** [WC69]. **Multi** [Sim65c, Hed66, PEC69]. **multi-hit** [Hed66]. **multi-inlet** [PEC69]. **Multi-steady-state** [Sim65c]. **multibarrier** [Sch68]. **multicenter** [ZS65]. **multicompartmented** [RS62]. **multimolecular** [Cin69]. **multiple** [Cap66b, Cap66c]. **multiple-flow** [Cap66b, Cap66c]. **multiplication** [TS66]. **multistate** [BW69]. **multivariate** [Haa69]. **muscarinic** [SW67]. **muscle** [Ano66f, Bar63, Cap66a, Cro68, Koi66, Koi67, Loe68, Mat68, Tom66a, Ull67,

Vay65]. **muscular** [Arn61]. **mutagenic** [Lad64, NM68]. **mutant** [RS67]. **Mutants** [Her62]. **mutation** [Eng62, RTB67, Sim65a, Str62]. **mutational** [Car64]. **mutations** [KM65]. **myoglobins** [Ata66].

nachbau [Kli66]. **narrow** [Hug68, Lea63, Lea65]. **native** [Dav66, Lew67]. **natriuresis** [Wal66b]. **Natural** [Bod63, Eml66, Spe64, Bla67a, Ham66, Has66b, Mil62, War67a]. **nature** [CS66, Cro63, Fre63, Koc67c, Nor68]. **navigation** [Brl64, KCE69]. **necessary** [Coh69]. **negative** [Boe63, HR66, Gri68a]. **neighbor** [SZ62]. **nephron** [Kel65]. **nerve** [Dan64, KS68a, Par66, Par68, VP66b, Wob68]. **nervous** [Pic66, Psc63]. **Net** [EKH66]. **nets** [Kau69, Ros67]. **network** [MHMQ64]. **networks** [Sti68]. **neural** [Ros67, Wer65]. **Neuroelectric** [Lew66]. **neuron** [Enr67, dLR67]. **neuronal** [NN66]. **neuronic** [Lau65, Lau69a]. **Neurospora** [Ber64d]. **Newton** [Hen68]. **Niche** [Wue69]. **ninefold** [SS64]. **Nitella** [HWJ69]. **nitrogen** [DP69, Pra62]. **nitrogen-fixing** [DP69]. **NMR** [Dan69]. **Non** [BLT⁺62b, BLT62a, Ber65, Cha66, CGTK67b, Els62, FBG⁺66a, Haa69, JT69, Kos62, MM68a, Pas67, RM68, Tru67, VP64, Eck62]. **non-circular** [JT69]. **Non-classical** [BLT⁺62b, BLT62a]. **non-electrolytes** [Pas67, VP64]. **non-enzymic** [Kos62]. **non-equilibrium** [RM68]. **non-equivivalent** [Tru67]. **non-hibernating** [Cha66]. **non-linear** [Haa69, MM68a]. **non-mechanistic** [Els62]. **non-permeable** [CGTK67b]. **Non-random** [Eck62]. **non-stationary** [Ber65]. **non-statistical** [FBG⁺66a]. **nonelectrolytes** [Bue66, CC65]. **Nonlinear** [Dew64]. **nonreabsorbed** [Kel65]. **noradrenaline** [KMT65, KT65]. **normal** [DiS69, Koc66, Koc69, MM68b]. **Normalization** [Mat68]. **North** [Ano63b]. **Note** [Els63, LP66, Nic66, Wu64]. **November** [Ano62h, Ano63o, Ano64n, Ano65l, Ano66s, Ano67s, Ano68l, Ano69n]. **nuclear** [Mal65]. **nucleic** [Cam67, Dou62, RFCH68]. **nucleophilicity** [EMM68]. **nucleotide** [De 69, Gra64]. **nucleotides** [Kla66]. **number** [Car64, DPW66a, HM68, Mag69b, SP69]. **numeric** [RTB67]. **Numerical** [FT68, BBKL66]. **numero** [SB65].

objects [Koc68b]. **obtained** [Shi67c]. **occupation** [Hom67]. **occurrence** [Eck62, PP68]. **October** [Ano67o, Ano68g, Ano69u]. **Octopus** [Mal63]. **ocular** [Beg63]. **odor** [Sin67]. **odours** [Dav65]. **oil** [CC65, GG67]. **olfactory** [BW63, Bos68]. **oncogenesis** [Gil68]. **one** [Cen68, Cen69, DPW66b, DS67, Gri68a, Gri68b, HH69, Lin68a]. **one-sided** [Lin68a]. **one-substrate** [Cen68, Cen69]. **Onsager** [SS66]. **Ontogeny** [RG69]. **Open** [Han67, KCE69]. **open-sea** [KCE69]. **Operational** [GM68]. **operon** [Geo69, Koc67c, SR66b]. **operons** [Sim67]. **Optical** [CC69, Tie67]. **optima** [Sch62]. **Optimal** [Rub67, SAFT66]. **Optimizing** [Coh66, Coh67]. **orbitals** [Pul62]. **order** [BR64, Dia69, Lan63]. **orders** [Est68, SZ62]. **ordinates** [Sch68]. **organ** [AC63]. **organic** [Cin69, Des65, Why67]. **organismic** [Els61, Els63, Els64]. **organisms** [DD66, Her69, RS67, Spr67].

organization [Atl68, Geo69, GC69, Lau69b, Str69, Tie67, Wol62b]. **orientation** [HHT65b, Nic66, Ric65]. **oriented** [Ghe66]. **origin** [CS66, Cin69, Pat67, RR67, Sag67]. **origins** [Eng68]. **oscillations** [DH69, Dew64]. **oscillator** [Mar67]. **oscillators** [Pav69, Win67]. **oscillatory** [SS67a]. **osmolality** [Alm69]. **Osmotic** [JW67, EH69, Wal66b]. **other** [Atl68, Whi65]. **outcome** [Coh67]. **Outline** [Cai61]. **overs** [Shi64, Shi66c]. **Oxford** [Pen69]. **oxidase** [PVP61]. **oxidations** [Low61]. **oxidative** [Gra64, Rus68a]. **oxygen** [Gol69, KS69, LM65, Sne65].

packed [Ell68]. **Packing** [Fon67b]. **Pages** [Ano61c, Ano61b, Ano61d, Ano62e, Ano62i, Ano62g, Ano62f, Ano62h, Ano63j, Ano63k, Ano63l, Ano63n, Ano63o, Ano63m, Ano64i, Ano64j, Ano64k, Ano64m, Ano64n, Ano64l, Ano65i, Ano65h, Ano65k, Ano65m, Ano65l, Ano65j, Ano66x, Ano66w, Ano66v, Ano66r, Ano66t, Ano66p, Ano66u, Ano66q, Ano66s, Ano66o, Ano67n, Ano67q, Ano67v, Ano67p, Ano67l, Ano67u, Ano67m, Ano67t, Ano67r, Ano67s, Ano67o, Ano67w, Ano68h, Ano68j, Ano68q, Ano68m, Ano68i, Ano68n, Ano68f, Ano68o, Ano68k, Ano68l, Ano68g, Ano68p, Ano69j, Ano69l, Ano69q, Ano69o, Ano69k, Ano69r, Ano69s, Ano69t, Ano69m, Ano69n, Ano69u, Ano69p]. **Pair** [TP67, BS69, KS67, Lan63]. **pair-order** [Lan63]. **pairing** [GFR68]. **paper** [Goe67a, Hug68, IJ68, ZZ69]. **Parallel** [She62b, Vid66]. **parameter** [SP66]. **Parameters** [PL67, HWJ69, Vay65]. **parasite** [TL66]. **parasites** [BNW62]. **Paratene** [Ehr67]. **parathyroid** [Rig66]. **Part** [Lev64, Kel65, Arb67]. **parthenogenesis** [Tom66b]. **partial** [Est68]. **partially** [PEC69]. **particle** [Bar62, LMB68]. **particular** [BR64, DG63]. **particularly** [BLT⁺62b]. **Partition** [Orl68, CC65, SW67]. **Passive** [MHMQ64, Bri66]. **patch** [DSB68]. **pathway** [Cou69, Lei69a, Sol66b]. **pathways** [D'A63, Han67]. **pattern** [Pie66b, Sat67, WC69, Wol69]. **pattern-diversity** [Pie66b]. **patterning** [Bos68]. **patterns** [Cla64, Lan63, RTB67, Rot63]. **pedigree** [Shi66d, Shi69b]. **penetration** [Bue66, Bue67, CC65, GG67]. **Peptide** [IKTN66]. **peptides** [Sne66]. **Percentage** [TB68]. **perception** [Wil61b]. **periodically** [SB65]. **periodicities** [Gil68, Wad65]. **peritoneum** [GB62b]. **permeability** [Dic64, Dun65, Ged68, HH66, RH69, Sch68, Vai64, VP64, Wat65]. **permeable** [CGTK67b, JW67]. **permease** [Koc67a]. **Permeation** [Hal61, Lea63, Lea65, Hug68]. **Permissive** [Cam67]. **persistence** [Sta66]. **Petal** [Sat67]. **pH** [Sch62]. **phage** [Boe63, Pol63]. **pharmacogenetic** [Nel63]. **pharmacologic** [Wag68]. **Pharmacological** [Wat65, DS66]. **phase** [Dar68, GC69, HH69, Koc64, VP66a, Wev66]. **phase-shift** [GC69]. **phases** [EH68]. **Phenogram** [HM68]. **phenomena** [FBG66c, Hol67, Wat65]. **Phenomenological** [Fon68, Lin68c]. **phenotype** [HM68, Ren62]. **philosophy** [Fei67]. **phosphate** [BDF69, D'A63]. **phosphates** [BL69]. **phospholipids** [DL69b, Tri69]. **phosphorylation** [Gra64, Rus68a]. **photochemistry** [Cla67]. **photodimerization** [NIT⁺65]. **Photoreceptor** [Wol62b]. **photosynthesis** [Bas63, Cal61, Cla63, Cla67, FR64, Ids68, Tol62].

photosynthetic [Kno68]. **phyletic** [Psc63]. **phylogeny** [Est68]. **Physical** [Els62, Mor66, Pol61, Gin67, Kor67, Tab67]. **physical-thermodynamic** [Tab67]. **physico** [Ros68]. **physico-chemical** [Ros68]. **physics** [Ste64]. **physiology** [TR65]. **phytosociology** [Orl68]. **pigmentation** [WC69]. **pipiens** [Mat68]. **itches** [Jar64]. **placental** [KS69]. **planar** [FBG66b]. **plant** [FR64, Loc65]. **plants** [Arn68, Bro62, Ids68, Lev62]. **plaques** [Koc64]. **plasma** [HR66, PF67]. **plastics** [Kor67]. **plateau** [KT69]. **plausible** [Kar67, Nao68]. **point** [Hol66a, Wal67]. **Poisson** [MM68a, Mac69]. **Polar** [HHT65b]. **polarized** [DKGK66]. **polyelectrolyte** [Ell68]. **polyene** [PLB69]. **polymer** [McM63]. **polymerase** [Sib64]. **polymorphism** [FBM66]. **polynomial** [CFY68]. **polynucleotide** [McM63]. **polynucleotides** [HL64, SZ62, SZ65]. **polypeptides** [Bla67b, Chi65]. **Polyporus** [PP68]. **Polyribosome** [Ord69]. **Polyribosomes** [Sin69, GL65]. **Polysaccharide** [Bel62]. **polysonic** [Fis62c]. **polyvalent** [Bri66]. **pool** [Ber64a, Sav69b]. **pool-sizes** [Ber64a]. **pools** [Koc62]. **Population** [Hol67, Gar67b, Has66a, Mil62, PCB68, Pen69, RS67, Shi63]. **Populations** [Pav69, BCB64a, Bla66, Bla67a, CB61, Coe68, Gar67a, Han69, Kie68, LR69, Noa68, Noo68, PCB68, Sai68b, Sai68a, Shi64, Shi66a, Shi67a, Shi67b, Shi67d, Sta66, TL66, Tru67, TB68, Win67]. **pores** [Hug68, Lea63, Lea65]. **position** [Wil64]. **Positional** [Wol69]. **Positive** [Gri68b]. **possibilities** [Pul62]. **possibility** [Gil64]. **Possible** [Lad64, Wil61a, Wil62, AAB69, Bae64, Cal68, Cin69, GK69, Gin67, Hed66, Kau67, Kin64, Kor67, Mar64, Par66, Par68, RB68a, Sol66b, Tho68, Tyl66, WW68b]. **postulate** [Ber63]. **postulating** [Cen68]. **potassium** [RPS61]. **potential** [Bar65, Con69, FBG66c, Gin67, Gin68, Kim66, Kom63, Pul62]. **potentialities** [O'S62]. **potentials** [BT62, Jah62, Koi67, Lew66, MR68, VP66b]. **power** [DPW66b, Mar64, Sav69b]. **power-law** [Sav69b]. **practical** [Kat67]. **practicality** [Wal67]. **prebiological** [Hul69]. **precipitates** [vO63]. **precursor** [BR64]. **precursors** [PS68]. **Prediction** [Boc67, Dar69, De 69, Orl68]. **Predictive** [Acl67]. **Preface** [Dan61]. **Preliminary** [Atl68]. **preparation** [Kat69]. **presence** [Kel65]. **present** [Kat69]. **Pressure** [Doe67, Cor65, Wei64]. **pressures** [CC65]. **prevalence** [Bur66]. **previous** [Cze68c]. **primary** [Cla64, Tol62, WW68b]. **primitive** [CS66]. **principle** [Seg69, Acl66]. **Principles** [dD64, Mel64a, Mel64c, vdS69]. **Prinzip** [Hel64]. **pristine** [Gil64]. **Probabilistic** [dLR67]. **probabilities** [Shi67b]. **probability** [Shi66a]. **probable** [RM68]. **Problem** [ERH69b, Blu62, Jeh67, KCE69, Mar67, RB63, Rub67, Sat67, TR65]. **Problems** [Boy66, BKK66, FT68, Lei69a, Sta65]. **procedures** [Pri67b]. **process** [BR66, Bla67b, SB65, SAFT66, Tol62, Wen61]. **processes** [BCB64b, Cai61, DG63, DS67, Gri68a, Gri68b, Koc62, Koc68a, Res69, Sam66, ST68, SR66a, SR66b, Sim67, Van67, Wal66a, Wer65]. **processing** [Lei66, Lei69a, RTB67]. **producing** [BDF69, Kin64]. **product** [Cen69, DS67, HH69]. **production** [Gro69, Hel68a, Hel68b, Wil66].

Professor [Fis62d, Ros64]. **profiles** [Bar65, RB68a]. **program** [Gat63, Sti68]. **programming** [Pri67c]. **proliferating** [Bro69].
proliferation [Con69, Rot63]. **Propagation** [Bar63, Doe69, Pic66].
Properties [Ohk69, Pla61, Ber61b, HHT65b, HT63, Sav69a]. **Proposed** [Wag68]. **protein** [Big67, CFY68, Day65, Eck62, Gar67c, GD63, GL65, Jar64, KS67, KS68b, Lew69, MP63, Pol61, QZ62, RB66, Rob65, SR66a, Sin65, Sin69, TP67, War64].
proteins [Ata66, Big67, HHT65a, Hav66, Kar67, KS68b, Par69, Smi66, Whi65, Yca61, ZES68]. **Proteinschrauben** [Jar64]. **Proton** [BS69, Rus68b].
protoplasts [Mar63]. **proximal** [FW65, Kel65, Wu67]. **Psycho** [HR69c, HR69a, HR69b]. **Psycho-logics** [HR69c, HR69a, HR69b]. **pulse** [Par66, Par68]. **pump** [Fru65, RPS61, UE65a, UE65b]. **pumps** [Rob68].
pure [BCB64a]. **purines** [CPC66, PR66]. **puriques** [WP63]. **purse** [Pel69].
pyrimidines [CPC66, PR66]. **Pyrimidiques** [WP63].

quality [Dav65]. **Quanta** [Els61]. **Quantitative** [O'S62, AP65, Jar64, PA63, Rig66]. **quantitativen** [Jar64]. **Quantum** [Cal61, NIT⁺65, Pat67, Ste64, CM62]. **Quantum-mechanical** [NIT⁺65].
Quasi [Wal66c]. **Quasi-steady** [Wal66c]. **quaternary** [Dav66, Fel68, SW66, SW67, Whi65].

R [Ano66f]. **racemic** [Mor69]. **radiation** [Atl68, DSB68, Eng62, Lad64, SP66, SP69]. **radiation-induced** [Eng62, SP69]. **radioactive** [Bro69]. **Radiosensitivity** [Ter65]. **rana** [Mat68]. **Random** [Ben63, BCB64b, BO65, Eck62, She62b, SU69, Shi67a].
randomly [Coh66, Coh67, Kau69]. **range** [JT69, KS67, Par67]. **Rapidly** [Sin65]. **rat** [Gar62]. **Rate** [Sem67, Blu68, Dar69, DH69, FCR67, Gar67b, HE65b, JD69, Kat69, Løv63, Mag69b, NS61, O'S62, Par66, Par68, RP68, Rot63, Sav69a, Sch68]. **rates** [Bur66, CC65, Koc62, Koc68a, LM66, PEC69]. **ratio** [GW68, RR66]. **ratios** [AC63, Ess66, Ged68, Hed69]. **re** [Wev66]. **re-entrainment** [Wev66].
Reabsorption [Wal66a, Kel65, Wal66b, WGP66]. **reacting** [Sie69].
reaction [Ain68, AP65, HH69, Kat67, Kat69, Kos62, PA63, Tri64, Wan63].
reactions [AP65, Bri69, Cze64a, Cze64b, Cze67, Cze68a, Cze68b, Cze68c, DPW66a, DPW66b, Dar68, Dia69, FCR67, Fis62a, Hig68, KT65, KSK65, Mag69b, Mal65, PA63, Res69, Sav69a, She67]. **read** [Nao68]. **read-out** [Nao68]. **reality** [Noo65]. **Rearrangement** [Kat67]. **recenter** [KMT65].
Receptive [Hol66a]. **receptor** [CS68, DS66, Fan69, Fel68, Hom67, Kar67, KT65, Lin63, SW67].
receptor-hypothesis [Lin63]. **receptor-storage** [KT65]. **receptors** [HCS66, Wat65]. **reciprocal** [SS66]. **Recognition** [Cou69, Sim65b, Man69a].
Recombination [Wu67, Ber62c, Ber64d, Fis62b, Shi67b]. **reconstituted** [MR63]. **reconstruction** [Kli66]. **recovery** [DS66]. **recurrence** [RKB67].
red [Ber65, WZ69, Zaj68, Zaj68]. **redox** [Jah62, Pul62]. **Reductions**

[Low61]. **reference** [Cla64, DG63, Lei66, Ser64]. **reflex** [Beg63]. **reflexive** [Koc67b]. **refractive** [Ohk68]. **regarding** [Aid66]. **regenerative** [ST68]. **regimens** [Ano69g, KT66, KT69, Nel62]. **region** [Ber62c]. **regional** [EDT66, PEC69]. **regression** [CFY68, Haa69]. **regular** [HM68]. **regulated** [Ano66f, Cap66a]. **Regulating** [Rob68, HR66]. **Regulation** [Kla66, RB66, RS66, SR66a, SR66b, Sim67, CT67, CHS67, Geo69, Lev66, Pai62, Syk66, TM68, YSB65]. **regulatory** [Noa68, TS66]. **related** [FBG66c, Gro69, JI69, PLB69]. **relating** [CC65]. **relation** [Ano66f, Ata66, Big67, BT62, Cap66a, Cap66b, Cap66c, Gin67, Hed66, Nob69, Rot63, Sha61, Wei64]. **Relations** [CRJ66, Sne66, Cla67, Kat69, Rap65, SS66]. **relationship** [DS66, GD63, Goe67a, Gre66b, Ren62, Spe67]. **relationships** [DS68, Gat64, Wag68]. **relative** [AC63, CB61, Wal65]. **relaxation** [Cze64a, Cze64b, Cze67, Cze68a, Cze68b, Cze68c, KSK65]. **release** [Gro69, KS68a]. **remark** [TR63]. **remarks** [Hig68, HL64]. **renal** [Des65, Lev66, Wal66b, Wal66a, WGP66]. **renal-electrolyte** [Lev66]. **renewal** [SB65]. **repair** [DSB68]. **Replacement** [Yca61, QZ62].

Replication

[Kal68, Dou62, DV66, Erh69a, Goe67b, Kau67, Phi69, Sto65, ZS66]. **Reply** [Fis62d]. **Representation** [Shi63, Hil66]. **repression** [PL67]. **repressor** [Koc67c]. **repressor-operon** [Koc67c]. **reproducing** [RTB67]. **reproduction** [Coh66, Coh67, DD66, Sta67]. **repulsion** [Par67]. **requirements** [Gre66a]. **requires** [Hel68a, Hel68b]. **research** [Kom63]. **resistance** [Boy66, Koi66, Koi67, Lev62, Tom66a]. **resolution** [Mal65]. **resonant** [Res69]. **resorption** [Sha65, WO67]. **resources** [AB61]. **respect** [PLB69]. **respiration** [DH69, SA66]. **response** [DS66, GK69, Lev64, TP63, Wag68]. **responses** [Gin67, Hom67]. **Resting** [MR68]. **resulting** [Kor67]. **results** [Cze68c, Noo65]. **retinal** [Nas69]. **retinals** [PLB69]. **Reversible** [Urb68, Bra68, Cen69, DS67, Pul62]. **review** [CM62, Fre63, Mar63]. **revised** [Gra64]. **rhesus** [Alt65]. **rhythmicity** [Enr65]. **rhythms** [PZO68, Pav69, Swa69, Wev66, Win67]. **ribonuclease** [Lan63, Sar65, Wei68]. **ribonucleic** [Boc67, RS66, Syk66]. **Ribosomal** [PS68, Rob65, Syk66]. **rich** [BL69]. **ring** [PLB69, Shi63, Shi66c]. **RNA** [Bra68, Gar67c, Geo69, Koc68a, Les69, PS68, Pol63, QZ62, RB63, Sin65, Sin69, Urb68]. **RNA-protein** [QZ62]. **Rod** [Shi66c]. **Role** [Sub68, DL69b, Eyl66, Fit64, Jan64, MM66b, PF67, RB68a, Sam66, Tri69]. **root** [TI67]. **rotating** [CS65]. **rust** [Boy66].

S [PLB69]. **S-cis-S-trans** [PLB69]. **S.** [Ano66f]. **salicylic** [BLT62a]. **salt** [Cin69, MM66b]. **sartorius** [Mat68]. **scattered** [Koc68b]. **scattering** [ADB61, LMB68]. **SCF** [IKTN66]. **scheme** [PR66]. **sciences** [Pet64]. **Scrapie** [HKG68]. **screws** [Jar64]. **sea** [KCE69]. **search** [Enr65]. **secretion** [DiS69, PF67]. **Sedimentation** [Mel64c]. **Segmental** [BR66]. **seifing** [Shi67c]. **seining** [Pel69]. **Selected** [Cze67]. **Selection** [dF62, Arn68, Bla67a, Bod63, Cha66, Eml66, Ham66, Has66b, Lev64, Lur69,

Spe64, War67a, RTB67]. **selections** [Shi67b]. **selective** [Heb68]. **selectivity** [Lin67, Tri64]. **Self** [Fis62d, Ano66f, Cap66a, Deu63, Lau69a, Lew62, RTB67, Sta67, WP63]. **self-consistent** [WP63]. **self-consistency** [Lau69a]. **self-incompatibility** [Lew62]. **self-regulated** [Ano66f, Cap66a]. **self-reproducing** [RTB67]. **self-reproduction** [Sta67]. **Self-Sterility** [Fis62d]. **self-stimulation** [Deu63]. **selfed** [Shi63, Shi64, Shi67b, Shi67d]. **selfing** [BCB64b, Shi67a]. **semantics** [Mae65b]. **semi** [GFR68, IKTN66]. **semi-empirical** [GFR68, IKTN66]. **senescence** [Ham66]. **sensitized** [CS68, Fan69]. **separating** [EH68]. **separation** [PR68a]. **September** [Ano62f, Ano63m, Ano64l, Ano65j, Ano66o, Ano67w, Ano68p, Ano69p]. **sequelae** [RG69]. **Sequence** [SZ62, Day65, GD63, Lan63, RB63]. **sequences** [KS67, KS68b, NN66, TP67, ZES68]. **Sequential** [Chi65, Kau67]. **Serial** [SU69]. **series** [DPW66b, Enr65]. **serine** [EMM68]. **serrate** [Daw66]. **serum** [DL69a]. **ses** [VP65a]. **set** [Shi66a]. **sex** [Ben63, Fis62b, Hor69, RR66, Sin67]. **sexuality** [DeL67]. **shapes** [Ehr67]. **Shear** [Hig68]. **sheep** [Cla64, WOB62a, WOB62b]. **shift** [GC69]. **shifts** [Wev66]. **short** [GH67, Reh68]. **short-circuit** [GH67]. **short-circuiting** [Reh68]. **shortening** [Mat68]. **shown** [Vid66]. **shrinking** [BDF69]. **Shunt** [D'A63]. **sided** [Lin68a, Lin68b]. **signal** [Par66, Par68]. **signals** [Par66, Par68]. **Significance** [Ata66, Cin69, GK69, Len62]. **similar** [AC63, Koc68b]. **similar-sized** [Koc68b]. **similarities** [GdlB66, GM68]. **Similarity** [Ebe69]. **simple** [DD66, Gar67b, Mar64, RD69, Lin68b]. **simplified** [Has66b]. **simulating** [Koc69, PCB68, Zaj68]. **Simulation** [Fra62, FBM66, RTB67, RD69, SKB69, SA66, Sug66, Gar62, Gar67b, KP67, Pri67a, Pri67b, Pri67c, RP68, ST68, WC69, War67b]. **simultaneous** [EDT66, Nao68]. **single** [Cen68, CF69, Hed69, Hed66, JH69]. **single-hit** [Hed66]. **single-stranded** [CF69]. **sinusoidal** [Wil69]. **sister** [Hed69, Kau67]. **site** [CS68, Fan69, Fel68, O'S62, SP66, SW66, SW67, Win63]. **sites** [SP69]. **size** [Bla66, YSB65]. **sized** [Koc68b]. **sizes** [Ber64a, Bro64]. **skeletal** [Mar64]. **skin** [Cla64]. **slices** [Gol69]. **sliding** [RB69]. **slowly** [O'S62]. **small** [Fit64]. **smooth** [Bar63, Koi66, Koi67, Tom66a, Vay65]. **social** [Alt65, Ham64a, Ham64b, Lei69b]. **Sociobiology** [Alt65]. **sodium** [Kel65, RPS61, Sem67]. **sodium-activated** [Sem67]. **soil** [Ids68]. **soil-induced** [Ids68]. **Sokal** [Est68]. **soluble** [Alm69, BBS63]. **solute** [JW67, Kel65, PGH63, Wal66b]. **solutes** [GB62b, Wal66a]. **Solution** [Cal68, WA65, BBKL66, De 67, Est68, Mac69]. **solutions** [Cin69, DPW66b, HT63, Sav69b, Sne65]. **solvation** [Lin67]. **solvent** [PGH63]. **solving** [Rub67]. **Some** [Agi63, Agi64, Alm69, CM62, Con69, DKGK66, Doe66, FW65, Hig68, HL64, Kom63, Lei69a, Lew67, Per62a, Ros68, Str62, Vai66a, Ain68, BNW62, Ber64b, Boe63, Gre66a, HHT65a, HOD63, Heb68, Sem67, Sha61, Sav69a, Wei68]. **source** [Par66, Par68]. **spacing** [Wil66]. **span** [Fit64, Kom63, Lan63, MM68b]. **spatial** [GC69, Wol69]. **special** [Cla64].

Species [Pie66b, Pel69, PP68]. **Species-diversity** [Pie66b]. **specific** [Bur66, Kin64, Mad69, Win63, KS67]. **specifically** [vO63]. **specification** [Wue69]. **specificity** [Des65, Kil66a, Kno65, Tri64, Wer65]. **spectra** [Bro64, JI69, KSK65]. **spectral** [Tol62]. **spectrometric** [Dan69]. **spectrum** [ADB61]. **speculation** [RR67]. **speculations** [Doe66]. **Spetner** [Has66b]. **sphere** [Mac69]. **spherical** [De 67, Hal61]. **spider** [PP68]. **spike** [Bra65]. **spindle** [Cro68, HCS66, Sub68]. **Spontaneous** [Bur66, Enr67]. **spread** [Lau69b]. **spreading** [GB62a]. **Squalene** [Sol66b]. **Stability** [VG68, Wal69b, Ell68, Gar67a, HT63, Kau69, Lew67, Mel64b, MHMQ64, Wal69a, WOB62b]. **stabilizing** [GB62a]. **Stable** [Mel64a, Mel64b, Mel64c]. **Stable-flow** [Mel64a, Mel64b, Mel64c]. **stacked** [CPC66]. **stacking** [GFR68, NO66]. **STAFLO** [Mel64c]. **State** [Ano63b, Cen68, Cen69, Coe68, CD69, Dar69, Gar62, GB66, GGW68, HK66, Hil66, Lew67, Noa68, Ord69, Pas67, PEC69, Sav69b, Sim65c, Vai66a, Wal66c, Wal67]. **states** [BS69, WW68a]. **stationary** [Ber65]. **Statistical** [DD66, NN66, TP67, Vai65b, Vai65c, FBG⁺66a, GM69, She62a, ZES68].

Steady [Cen68, Cen69, Pas67, Coe68, Dar69, Gar62, GB66, GGW68, HK66, Hil66, Noa68, Ord69, PEC69, Sav69b, Sim65c, Vai66a, WW68a, Wal66c, Wal67].

Steady-state [Cen68, Cen69, Pas67, Coe68, Dar69, Gar62, GGW68, Noa68, PEC69, Sav69b, Wal67]. **stem** [VNM69]. **step** [Cze64b, Cze67, Cze68a, Cze68b]. **stepwise** [CFY68]. **stereoisomers** [Nas69]. **Sterility** [Fis62d]. **steroid** [NO66]. **stimulating** [Atl68]. **stimulation** [Deu63, Enr67]. **stimulatory** [SA66]. **stimulus** [DS66, Rap65]. **stimulus-response-recovery** [DS66]. **Stochastic** [BCB64b, She62b, SU69, VNM69, Ber62a, Ber62b, Bla67b, HH69, JM66, Kor69, LG68, Pel69, Sin69, TL66]. **stochastically** [Noo68]. **Stochastics** [Alt65]. **stone** [FM69]. **storage** [KT65]. **strand** [PR68a]. **stranded** [CF69]. **strands** [Nao68]. **strength** [MM66a]. **stress** [Cur68, Pol65]. **Stresses** [Doe68, Ids68]. **striated** [Ull67]. **strict** [Gar67a]. **Structural** [Jeh67, Geo69, Kil66a, KS68b, Par67]. **Structure** [O'67, WP63, Ata66, Big67, BS69, CRJ66, Dav66, DL69a, Fon67a, HR69a, HR69b, Kil66b, MR63, Sar65, Sne66, Tyl66, VP65a, VP65b, Whi65, Win63]. **structures** [BL69, JI69, Wol62b]. **studied** [TS69]. **Studies** [HK66, Hil66, Wei68, JM66, KS68b, MM68b, Nel63, Pol65, SB65, Tak68, TP67, WOB62a, WOB62b]. **Study** [RS67, Ain68, Atl68, Gar67b, GC68, Haa69, Hav66, Lau65, Lau69a, Lau69b, MM66b, MLH66, NIT⁺65, Nas69, Pie66b, RFCH68, TL66, YS67, YP64]. **sub** [Pla61]. **sub-groups** [Pla61]. **subclinical** [RKB67]. **subject** [Enr67]. **subjected** [Wil69]. **submolecular** [SG61]. **subsequent** [Coh67]. **substance** [CGTK67b]. **substitutions** [KS68b]. **substrate** [Ain68, Cen68, Cen69, DS67, Des65, Dia69, Fis62a, Fuj63, Haa69, HH69, Kat67, O'S62]. **substrate-one** [DS67]. **subunit** [RB68b, War64]. **subunits** [GM69]. **succession** [Pie66b]. **sucrose** [Arn68, Koi67]. **sucrose-gap** [Koi67]. **sugars** [LL69]. **suggested**

[Boe63, War64]. **suggestion** [Aid66]. **sulfhydryl** [Lev62].
sulfhydryl-disulfide [Lev62]. **sulfonamides** [Nel62]. **sulphonamides**
 [HOD63]. **super** [Cha66]. **super-hibernating** [Cha66]. **suppressor** [Boc67].
supra [SG61]. **supra-** [SG61]. **Surface**
 [Bel61, FBG66c, Gin67, Gin68, GGW68, Løv63, Sha65]. **surface-volume**
 [GGW68]. **surfaces** [FBG66b, Wei62]. **Survey** [Ber64b]. **survival**
 [Ber62a, Ber62b, Ber65, Hol67]. **suspensions** [ADB61]. **swelling** [BDF69].
swine [Sin67]. **switch** [Cla63]. **symmetry** [SS64]. **sympathomimetic**
 [Sha61]. **synaptic** [Bra65]. **Synopsis** [Els64]. **synthesis**
 [Alm69, Bae64, Cam67, CS65, D'A63, Geo69, GL65, Hei64, Hel68a, Hel68b,
 Hul69, Man69a, Man69b, Pol61, Pol63, Rob65, RS66, Sib64, SR66a, SR66b,
 Sim67, Sin69, Syk66, TB66, YP64]. **synthetic** [GFR68]. **Syrian**
 [Cha66]. **system**
 [Ber61b, CS65, CHS67, DP69, GB66, GGW68, Hei64, HR69c, IKTN66,
 Mae65b, Mal63, PGH63, Psc63, RB68a, Sav69b, SB65, SS67a, Sug66, Wal66c].
systems [BR66, Ber64a, Bri66, Cal68, Cap66b, Cap66c, CFY68, Cze64a,
 Cze64b, Cze67, DKGK66, Ell68, Fra62, FBM66, FBG⁺66a, FBG66b, Gar67a,
 Gar67b, GH67, GC69, HM68, Hig68, Hil66, Hol68, JM66, KP67, LP66, Lin68c,
 MH69, Mag69a, Mar64, Mor66, Myh69, PEC69, Pol65, Pri67a, Pri67b, Pri67c,
 Pul62, Rap68, RS62, RP68, RM68, Sav69a, Sav69b, Sem67, She67, SS67b,
 Ste64, Sug63, SF63, Sug66, TR63, WW68a, WPY67, Wal69a, Wal69b, Wil69].

T [Zár69, Ber62c]. **T-even** [Zár69]. **T4B** [Boe63]. **table** [Wil69]. **taking**
 [WO67]. **taxonomic** [FT68]. **taxonomy** [Rub67, Sok62]. **technique** [Reh68].
temperature [CHS67, MM66a, PZO68, RH69, Wil69]. **temperatures**
 [Wil69]. **template** [McM63, ZS65, ZS66]. **templates** [Wad65]. **Temporal**
 [Bos68, GC69, Wad65]. **tension** [GG67]. **tentative** [Ber61a]. **termination**
 [Sie69]. **terms** [Fis62a, Pri67a, Pri67b, Pri67c, RP68]. **territorial** [Gar67a].
tests [Fre62b]. **Their**
 [Sem67, Wol62b, Ata66, Cin69, CC65, GM69, Ids68, Pla61]. **theorem**
 [De 67, PEC69, She67]. **theorems** [dLR67]. **Theoret** [Ano66f, Ano69g].
Theoretical
 [AKT62, AC63, Ano65n, Man69b, Pol65, Sie69, Sin67, Tak66, Tak68, YS67,
 Con69, De 69, DKGK66, GC68, Han69, MM66b, Nas69, VWM61, Wev66].
theorie [Jar64]. **theories** [Cal68]. **Théorique** [BP62]. **Theory**
 [DH69, Koc68b, KSK65, Lev64, LM66, MM68a, Mar64, RS67, Sch62, VPT64,
 Vai66b, AP65, Ano69g, AW65, Arb67, Atl68, Bue67, Cai61, DS67, Dav65,
 Ehr67, Els62, Els63, Els64, Est66, Eva62, Fon68, For69, FR64, GdlB66, GM68,
 Hom67, Jah62, Jar64, Kav63, Kno68, KT66, KT69, LP66, Lew61, Loe68,
 Lur69, Mae65b, Mar67, MP63, Mil62, Noo66, Ohk67, PA63, Sch68, Ser64,
 Smi67, SW67, Sta66, Ull67, Vai65b, Vai65c, VP66b, War67a, Whi65, Wil64].
therapeutic [Nel62]. **thermal** [Atl68]. **Thermodynamic**
 [ZZ67, LJ68, Tab67, ZZ69]. **thermodynamics**
 [Acl67, Ber64b, DG63, HK66, Hil66]. **Thermoregulation** [Hen68].

Thickness [Tie67, CC69, Dan66, Ohk69]. **Thiemer** [Ano69g]. **thin** [CC69].
thinking [Cai61]. **thiopentone** [NS61]. **thorough** [Pet64]. **thought** [Cai61].
thought-processes [Cai61]. **three** [Cze67, Cze68a, Myh69]. **three-step**
[Cze67, Cze68a]. **threshold** [Fri69a, Hol66a]. **thresholds** [Gau64]. **throttle**
[Low69]. **thymine** [Les69]. **thyroid** [DS68, DiS69]. **tight** [Koc67c]. **time**
[Coh67, Enr65, GM68, Has66a, HE65b, RKB67]. **time-series** [Enr65]. **times**
[Fri69a, Kal68, Man69a]. **Tissue** [LM65, Bro63, Gol69, Per62b, PH66, dD64].
tissues [Per62b, Reh68]. **tit** [Pen69]. **TMV** [Her62]. **tobacco** [War64].
tolerance [Fre62b, Len62, Sie69]. **tonic** [Enr67]. **Topaz** [Boc67]. **topics**
[Gro69]. **tortuosity** [TM68]. **total** [LMB68]. **toxicity** [HOD63]. **Tracer**
[Ber61b, Ber61a, Ber64a, EKH66, Koc62, Koc68a, Myh69, She62b, SU69].
tracing [Mal65]. **training** [Ano63b]. **trans** [PLB69]. **transcription**
[Pai62, Phi69]. **transducers** [Vai66b]. **Transfer**
[SS67b, SS67a, Acl66, Acl67, Acl69, BS69, Had67, Har63, KS69, Pul62, Res69,
RB63, TR63, UE65a, Wol62b]. **transform** [BBKL66]. **Transformation**
[BP62, Shi66d, Shi69a, Shi69b, Acl69]. **Transient** [Dar68]. **transistor**
[JH69]. **transition** [CD69, Lin68c]. **transitions** [MM68a]. **translation**
[Cam67, Gar67c, Mar67]. **translocate** [Arn68]. **translucens** [HWJ69].
transmembrane [Jah62]. **transmission** [Spe64, Wer65]. **transmitters**
[Gro69]. **transpiration** [Ids68]. **transplantable** [TI67]. **transport**
[Bre67, Bri69, CD69, Des65, GB62b, Gro67, HK66, Hol68, Jah62, KK64,
Koc67a, LL69, Mil66, Rap68, RW63, Sem67, SKB69, Sne65, UE65a, UE65b,
VPT64, Vai65a, Vai65c, Vai66a, Vai69, Vid66, Wan63, YS67]. **trapping**
[Dan64, Kno68]. **Treatment** [IKTN66, Cen69, Cze68a, Cze68b, Has66b].
treption [Ser64]. **Tribolium** [Daw66, Sta66]. **triggers** [SR66b]. **Triplet**
[Gat63, TP67]. **tuberculin** [CS68, Fan69]. **tubular** [WGP66]. **tubule**
[FW65]. **tumor** [Kor67]. **tumors** [Rot63]. **tumour**
[Gre66a, Gre66b, HOD63]. **tumour-host** [Gre66b]. **tumours** [TI67]. **tunnels**
[Sta66]. **turning** [Sin65]. **turnover** [Ber64a, LM66]. **turtle** [KCE69]. **twin**
[Hed69]. **twins** [Hed69]. **Two** [Hol66b, Ros67, Ain68, Cen68, Cen69, EH68,
Hol66a, Kat67, Lin68b, PGH63, Pel69, PCB68, Wol62a, Cze64b]. **two-break**
[Wol62a]. **Two-factor** [Ros67]. **two-membrane** [PGH63]. **two-point**
[Hol66a]. **two-sided** [Lin68b]. **two-species** [Pel69]. **Two-step-reactions**
[Cze64b]. **two-substrate** [Ain68, Kat67]. **type** [RTB67]. **types**
[Pie66a, Pie67, Wal69a]. **Typology** [Sok62].

ultraviolet [Lad64]. **unbranched** [Han67]. **uncatalysed** [LP66]. **unified**
[GdlB66]. **unifying** [Eva62, Ser64]. **unimolecular** [Hil66]. **unimpaired**
[HR69a]. **unit** [Kno68, Wei63]. **unmedullated** [Pic66]. **unoriented**
[DKGK66]. **unsolvable** [Sta65]. **unstable** [Sin69]. **Unwinding**
[Phi69, Erh69a, ZS66]. **uphill** [LL69, RW63]. **upon** [Shi67b]. **Uptake**
[AAB69]. **uracil** [Les69]. **uric** [Mil66]. **usage** [Pet64]. **Use**
[Haa69, AC63, DPW66b, LM66, Wal67]. **using**
[BBKL66, Fis62b, Mal65, Sav69b, Sug63, SF63, Sug66]. **Uterine** [Cor65].

utilization [FR64].

v [Ano62h, AP65, BLT⁺62b, Fis62a, Wei68]. **v-viii** [Ano62h]. **value** [PK68]. **values** [Fis62b]. **Van't** [Nob69]. **vapor** [CC65]. **variability** [Eng68]. **Variable** [Lan63]. **Variable-span** [Lan63]. **Variance** [Shi67d]. **variation** [HHT65c, UE65b]. **various** [SZ62]. **varying** [Coh66, Coh67]. **vectors** [CS65]. **vegetative** [DD66]. **velocities** [JD69, Kos62]. **velocity** [Ano66f, Cap66a, HH69]. **versatile** [McM63]. **version** [Lew66]. **vertebrate** [Bar63, Vay65]. **Vertical** [Str69]. **vertices** [Han67]. **Vesicular** [SKB69]. **vestibulo-ocular** [Beg63]. **VI** [BLT62a]. **viii** [Ano62h]. **viral** [Koc64]. **virus** [Kil66a, War64]. **visceral** [Bar63, Vay65]. **vision** [Lei66, Wil61b]. **visual** [Lei69a, Mal63]. **vitalism** [Dix68, Ozo69]. **vitalistic** [vdS69]. **vitamine** [VP65a]. **vitamins** [BBS63, PLB69]. **vivo** [Bro64, Reh68, Sug63, SF63, Sug66]. **Volterra** [Gar67a]. **volume** [Ano62c, Ano63c, Ano63d, Ano63h, Ano63i, Ano64a, Ano64g, Ano64h, Ano65a, Ano65b, Ano65f, Ano65g, Ano66g, Ano66h, Ano66m, Ano66n, Ano67b, Ano67c, Ano67j, Ano67k, Ano69h, Ano69i, BDF69, GGW68, JW67, Rob68, Spe67, TM68]. **vulgaris** [Mal63].

Waals [CPC66]. **walks** [She62b, SU69]. **Water** [CC65, Alm69, Dic64, ERH69b, HH66, Ids68, LM66, Løv63, RH69, Wal66b]. **Wave** [Arn61, Tak66, Tak68]. **webs** [O'N69]. **weight** [Spe67]. **weighting** [BR64]. **weightlessness** [Tyl66]. **weights** [AC63]. **welches** [Hel64]. **wheat** [Boy66]. **which** [AP65, RS67]. **whose** [Hel68a, Hel68b]. **Wigglesworth** [Mil66]. **will** [RS67]. **within** [Bla67a, Par64]. **wobble** [PR68b]. **working** [Wei62].

X [FBM66]. **xanthine** [PVP61, Per62a].

Zeitgeber [Wev66]. **Zelman** [Agi69]. **zone** [GB62a]. **Zotin** [IJ68]. **Zotina** [IJ68]. **Zur** [Jar64].

References

Akrigg:1969:UDC

- [AAB69] A. Akrigg, S. R. Ayad, and J. Blamire. Uptake of DNA by competent bacteria — a possible mechanism. *Journal of Theoretical Biology*, 24(3):266–272, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800512>.

Andrewartha:1961:AIR

- [AB61] H. G. Andrewartha and T. O. Browning. An analysis of the idea of “resources” in animal ecology. *Journal of Theoretical Biology*, 1(1): 83–97, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900285>.

Angervall:1963:TCU

- [AC63] Lennart Angervall and Esbjörn Carlström. Theoretical criteria for the use of relative organ weights and similar ratios in biology. *Journal of Theoretical Biology*, 4(3):254–259, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900043>.

Acland:1966:ATC

- [Acl66] J. D. Acland. Active transfer and the Curie Principle. *Journal of Theoretical Biology*, 13(??):318–323, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900245>.

Acland:1967:PCI

- [Acl67] J. D. Acland. Predictive character of irreversible thermodynamics in active transfer. *Journal of Theoretical Biology*, 14(3):323–324, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900847>.

Acland:1969:ETA

- [Acl69] J. D. Acland. Energy transformation in active transfer. *Journal of Theoretical Biology*, 22(3):535–536, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900204>.

Amesz:1961:MMC

- [ADB61] J. Amesz, L. N. M. Duysens, and D. C. Brandt. Methods for measuring and correcting the absorption spectrum of scattering suspensions. *Journal of Theoretical Biology*, 1(1):59–74, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900261>.

Agin:1963:SCH

- [Agi63] D. Agin. Some comments on the Hodgkin–Huxley equations. *Journal of Theoretical Biology*, 5(2):161–170, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519363900572>.

Agin:1964:SCH

- [Agi64] D. Agin. Some comments on the Hodgkin–Huxley equations — corrections. *Journal of Theoretical Biology*, 7(2):388, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519364900827>.

Agin:1969:CZL

- [Agi69] D. Agin. Comments on Zelman’s letter to the editor. *Journal of Theoretical Biology*, 22(3):533–534, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369900198>.

Aidley:1966:SRC

- [Aid66] D. J. Aidley. A suggestion regarding the cellular basis of learning. *Journal of Theoretical Biology*, 11(2):343–345, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519366901718>.

Ainsworth:1968:CSS

- [Ain68] S. Ainsworth. A comparative study of some mechanisms describing interaction effects in a dimeric, two-substrate enzyme catalysed reaction. *Journal of Theoretical Biology*, 19(1):1–28, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519368900027>.

Aladjem:1962:TAI

- [AKT62] Frederick Aladjem, Henry Klostergaard, and Robert W. Taylor. Theoretical analysis of immunoelectrophoresis. *Journal of Theoretical Biology*, 3(1):134–145, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800101>.

Almen:1969:CAD

- [Alm69] Torsten Almen. Contrast agent design: Some aspects on the synthesis of water soluble contrast agents of low osmolality. *Journal of Theoretical Biology*, 24(2):216–226, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800470>.

Altmann:1965:SRM

- [Alt65] Stuart A. Altmann. Sociobiology of rhesus monkeys. II: Stochastics of social communication. *Journal of Theoretical Biology*, 8(3):490–522, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936590024X>.

Anonymous:1961:EB

- [Ano61a] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 1(1):ifc, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900212>.

Anonymous:1961:PJa

- [Ano61b] Anonymous. Pages 1–106 (January 1961). *Journal of Theoretical Biology*, 1(1):??, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1961:PA

- [Ano61c] Anonymous. Pages 107–287 (April 1961). *Journal of Theoretical Biology*, 1(2):??, April 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1961:PJb

- [Ano61d] Anonymous. Pages 289–409 (July 1961). *Journal of Theoretical Biology*, 1(3):??, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1962:EBa

- [Ano62a] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 2(1):i, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800216>.

Anonymous:1962:EBb

- [Ano62b] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 3(1):i, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800010>.

Anonymous:1962:IV

- [Ano62c] Anonymous. Index to volume 3. *Journal of Theoretical Biology*, 3(3):v–vii, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800447>

Anonymous:1962:PJb

- [Ano62d] Anonymous. Pages 1–147 (July 1962). *Journal of Theoretical Biology*, 3(1):??, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1962:PJa

- [Ano62e] Anonymous. Pages 1–73 (January 1962). *Journal of Theoretical Biology*, 2(1):??, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1962:PS

- [Ano62f] Anonymous. Pages 149–334 (September 1962). *Journal of Theoretical Biology*, 3(2):??, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1962:PMb

- [Ano62g] Anonymous. Pages 193–346 (May 1962). *Journal of Theoretical Biology*, 2(3):??, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1962:PVV

- [Ano62h] Anonymous. Pages 335–514, v–viii (November 1962). *Journal of Theoretical Biology*, 3(3):??, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1962:PMa

- [Ano62i] Anonymous. Pages 75–191 (March 1962). *Journal of Theoretical Biology*, 2(2):??, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1963:A

- [Ano63a] Anonymous. Announcement. *Journal of Theoretical Biology*, 4 (2):228, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900328>.

Anonymous:1963:BTN

- [Ano63b] Anonymous. Biomathematics training at North Carolina state College. *Journal of Theoretical Biology*, 4(1):145, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901073>.

Anonymous:1963:CVa

- [Ano63c] Anonymous. Contents of volume 4. *Journal of Theoretical Biology*, 4(3):i-iv, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900092>.

Anonymous:1963:CVb

- [Ano63d] Anonymous. Contents of volume 5. *Journal of Theoretical Biology*, 5(3):III-IV, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936390095X>.

Anonymous:1963:EBa

- [Ano63e] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 4 (1):ifc, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900961>.

Anonymous:1963:EBb

- [Ano63f] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 5 (1):ifc, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936390033X>.

Anonymous:1963:E

- [Ano63g] Anonymous. Erratum. *Journal of Theoretical Biology*, 4(1): 146, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901085>.

Anonymous:1963:IVa

- [Ano63h] Anonymous. Index to volume 4. *Journal of Theoretical Biology*, 4 (3):297–299, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900080>.

Anonymous:1963:IVb

- [Ano63i] Anonymous. Index to volume 5. *Journal of Theoretical Biology*, 5(3):500–502, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900948>.

Anonymous:1963:PJa

- [Ano63j] Anonymous. Pages 1–146 (January 1963). *Journal of Theoretical Biology*, 4(1):??, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1963:PJb

- [Ano63k] Anonymous. Pages 1–160 (July 1963). *Journal of Theoretical Biology*, 5(1):??, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1963:PMa

- [Ano63l] Anonymous. Pages 147–228 (March 1963). *Journal of Theoretical Biology*, 4(2):??, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1963:PS

- [Ano63m] Anonymous. Pages 161–339 (September 1963). *Journal of Theoretical Biology*, 5(2):??, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1963:PMb

- [Ano63n] Anonymous. Pages 229–299 (May 1963). *Journal of Theoretical Biology*, 4(3):??, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1963:PN

- [Ano63o] Anonymous. Pages 341–502 (November 1963). *Journal of Theoretical Biology*, 5(3):??, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1964:CV

- [Ano64a] Anonymous. Contents of volume. *Journal of Theoretical Biology*, 6(3):iii–iv, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900608>.

Anonymous:1964:EBa

- [Ano64b] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 6(1):ifc, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936490061X>.

Anonymous:1964:EBb

- [Ano64c] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 7(1):ifc, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900372>.

Anonymous:1964:Eb

- [Ano64d] Anonymous. Errat. *Journal of Theoretical Biology*, 6(2):306, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900360>.

Anonymous:1964:Ec

- [Ano64e] Anonymous. Errata. *Journal of Theoretical Biology*, 7(2):390–391, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900840>.

Anonymous:1964:Ed

- [Ano64f] Anonymous. Errata. *Journal of Theoretical Biology*, 7(3):565, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900232>.

Anonymous:1964:IVa

- [Ano64g] Anonymous. Index to volume 6. *Journal of Theoretical Biology*, 6(3):471–473, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900591>.

Anonymous:1964:IVb

- [Ano64h] Anonymous. Index to volume 7. *Journal of Theoretical Biology*, 7(3):567–569, 571–573, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900244>.

Anonymous:1964:PJa

- [Ano64i] Anonymous. Pages 1–136 (January 1964). *Journal of Theoretical Biology*, 6(1):??, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1964:PJb

- [Ano64j] Anonymous. Pages 1–170 (July 1964). *Journal of Theoretical Biology*, 7(1):??, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1964:PMa

- [Ano64k] Anonymous. Pages 137–309 (March 1964). *Journal of Theoretical Biology*, 6(2):??, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1964:PS

- [Ano64l] Anonymous. Pages 171–391 (September 1964). *Journal of Theoretical Biology*, 7(2):??, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1964:PMb

- [Ano64m] Anonymous. Pages 307–473 (May 1964). *Journal of Theoretical Biology*, 6(3):??, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1964:PN

- [Ano64n] Anonymous. Pages 393–573 (November 1964). *Journal of Theoretical Biology*, 7(3):??, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1965:CVa

- [Ano65a] Anonymous. Contents of volume 8. *Journal of Theoretical Biology*, 8(3):III–V, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900263>.

Anonymous:1965:CVb

- [Ano65b] Anonymous. Contents of volume 9. *Journal of Theoretical Biology*, 9(3):III–V, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900512>.

Anonymous:1965:EBa

- [Ano65c] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 8(1):ifc, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900858>.

Anonymous:1965:EBb

- [Ano65d] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 9(1):ifc, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900524>.

Anonymous:1965:E

- [Ano65e] Anonymous. Erratum. *Journal of Theoretical Biology*, 9(3):504, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900482>.

Anonymous:1965:IVa

- [Ano65f] Anonymous. Index to volume 8. *Journal of Theoretical Biology*, 8(3):523–527, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900251>.

Anonymous:1965:IVb

- [Ano65g] Anonymous. Index to volume 9. *Journal of Theoretical Biology*, 9(3):507–510, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900500>.

Anonymous:1965:PJb

- [Ano65h] Anonymous. Pages 1–123 (July 1965). *Journal of Theoretical Biology*, 9(1):??, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1965:PJa

- [Ano65i] Anonymous. Pages 1–220 (January 1965). *Journal of Theoretical Biology*, 8(1):??, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1965:PS

- [Ano65j] Anonymous. Pages 125–350 (September 1965). *Journal of Theoretical Biology*, 9(2):??, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1965:PMa

- [Ano65k] Anonymous. Pages 221–369 (March 1965). *Journal of Theoretical Biology*, 8(2):??, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1965:PN

- [Ano65l] Anonymous. Pages 351–510 (November 1965). *Journal of Theoretical Biology*, 9(3):??, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1965:PMb

- [Ano65m] Anonymous. Pages 371–527 (May 1965). *Journal of Theoretical Biology*, 8(3):??, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1965:TBC

- [Ano65n] Anonymous. Theoretical biology colloquium. *Journal of Theoretical Biology*, 9(3):505, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900494>.

Anonymous:1966:Ab

- [Ano66a] Anonymous. Announcement. *Journal of Theoretical Biology*, 10(3):508, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901408>.

Anonymous:1966:Ac

- [Ano66b] Anonymous. Announcement. *Journal of Theoretical Biology*, 11(3):499, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901111>.

Anonymous:1966:Ad

- [Ano66c] Anonymous. Announcement. *Journal of Theoretical Biology*, 12(3): 442, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901573>.

Anonymous:1966:Ae

- [Ano66d] Anonymous. Announcement. *Journal of Theoretical Biology*, 13(??):433, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900312>.

Anonymous:1966:Aa

- [Ano66e] Anonymous. Announcements. *Journal of Theoretical Biology*, 10(2):384–385, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901342>.

Anonymous:1966:CSR

- [Ano66f] Anonymous. A characteristic of self-regulated linear energy converters the hill force–velocity relation for muscle: S. R. Caplan J. Theoret. Biol. (1966) **11**, 63–86. *Journal of Theoretical Biology*, 12(1):155, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901949>.

Anonymous:1966:CVa

- [Ano66g] Anonymous. Contents of volume 10. *Journal of Theoretical Biology*, 10(3):I–IV, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901421>.

Anonymous:1966:CVb

- [Ano66h] Anonymous. Contents of volume 12. *Journal of Theoretical Biology*, 12(3):i–v, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901597>.

Anonymous:1966:EBa

- [Ano66i] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 10 (1):ifc, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901731>.

Anonymous:1966:EBb

- [Ano66j] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 11 (1):ifc, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900324>.

Anonymous:1966:EBc

- [Ano66k] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 12 (1):ifc, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901822>.

Anonymous:1966:EBd

- [Ano66l] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 13(??):ifc, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900014>.

Anonymous:1966:IVa

- [Ano66m] Anonymous. Index to volume 10. *Journal of Theoretical Biology*, 10(3):509–512, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690141X>.

Anonymous:1966:IVb

- [Ano66n] Anonymous. Index to volume 12. *Journal of Theoretical Biology*, 12(3):443–446, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901585>.

Anonymous:1966:PS

- [Ano66o] Anonymous. Pages 1–155 (September 1966). *Journal of Theoretical Biology*, 12(1):??, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PJa

- [Ano66p] Anonymous. Pages 1–158 (January 1966). *Journal of Theoretical Biology*, 10(1):??, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PM

- [Ano66q] Anonymous. Pages 1–179 (May 1966). *Journal of Theoretical Biology*, 11(1):??, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PDb

- [Ano66r] Anonymous. Pages 1–433 (December 1966). *Journal of Theoretical Biology*, 13(??):1–433, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PN

- [Ano66s] Anonymous. Pages 157–290 (November 1966). *Journal of Theoretical Biology*, 12(2):??, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PF

- [Ano66t] Anonymous. Pages 159–385 (February 1966). *Journal of Theoretical Biology*, 10(2):??, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PJb

- [Ano66u] Anonymous. Pages 181–347 (July 1966). *Journal of Theoretical Biology*, 11(2):??, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PDa

- [Ano66v] Anonymous. Pages 291–446 (December 1966). *Journal of Theoretical Biology*, 12(3):??, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PAb

- [Ano66w] Anonymous. Pages 349–499 (August 1966). *Journal of Theoretical Biology*, 11(3):??, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1966:PAa

- [Ano66x] Anonymous. Pages 387–512 (April 1966). *Journal of Theoretical Biology*, 10(3):??, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:A

- [Ano67a] Anonymous. Announcement. *Journal of Theoretical Biology*, 14 (3):329, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900872>.

Anonymous:1967:CVa

- [Ano67b] Anonymous. Contents of volume 15. *Journal of Theoretical Biology*, 15(3):i-iv, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901452>.

Anonymous:1967:CVb

- [Ano67c] Anonymous. Contents of volume 16. *Journal of Theoretical Biology*, 16(3):i-v, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900690>.

Anonymous:1967:EBa

- [Ano67d] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 14 (1):ifc, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900884>.

Anonymous:1967:EBb

- [Ano67e] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 15 (1):ifc, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900392>.

Anonymous:1967:EBc

- [Ano67f] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 16 (1):ifc, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900495>.

Anonymous:1967:EBd

- [Ano67g] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 17 (1):ifc, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900136>.

Anonymous:1967: Ea

- [Ano67h] Anonymous. Errata. *Journal of Theoretical Biology*, 14(1): 102, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900963>.

Anonymous:1967: Ec

- [Ano67i] Anonymous. Errata. *Journal of Theoretical Biology*, 14(3): 328, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900860>.

Anonymous:1967: IVa

- [Ano67j] Anonymous. Index to volume 15. *Journal of Theoretical Biology*, 15(3):377–380, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901440>.

Anonymous:1967: IVb

- [Ano67k] Anonymous. Index to volume 16. *Journal of Theoretical Biology*, 16(3):443–447, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900689>.

Anonymous:1967: PJa

- [Ano67l] Anonymous. Pages 1–102 (January 1967). *Journal of Theoretical Biology*, 14(1):??, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967: PJc

- [Ano67m] Anonymous. Pages 1–150 (July 1967). *Journal of Theoretical Biology*, 16(1):??, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967: PAa

- [Ano67n] Anonymous. Pages 1–177 (April 1967). *Journal of Theoretical Biology*, 15(1):??, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PO

- [Ano67o] Anonymous. Pages 1–180 (October 1967). *Journal of Theoretical Biology*, 17(1):??, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PF

- [Ano67p] Anonymous. Pages 103–224 (February 1967). *Journal of Theoretical Biology*, 14(2):??, February 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PAb

- [Ano67q] Anonymous. Pages 151–331 (August 1967). *Journal of Theoretical Biology*, 16(2):??, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PMb

- [Ano67r] Anonymous. Pages 179–272 (May 1967). *Journal of Theoretical Biology*, 15(2):??, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PN

- [Ano67s] Anonymous. Pages 181–318 (November 1967). *Journal of Theoretical Biology*, 17(2):??, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PMa

- [Ano67t] Anonymous. Pages 225–329 (March 1967). *Journal of Theoretical Biology*, 14(3):??, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PJb

- [Ano67u] Anonymous. Pages 273–380 (June 1967). *Journal of Theoretical Biology*, 15(3):??, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PD

- [Ano67v] Anonymous. Pages 319–497 (December 1967). *Journal of Theoretical Biology*, 17(3):??, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1967:PS

- [Ano67w] Anonymous. Pages 333–447 (September 1967). *Journal of Theoretical Biology*, 16(3):??, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:EBa

- [Ano68a] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 18(1):ifc, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901653>.

Anonymous:1968:EBb

- [Ano68b] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 19(1):ifc, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900015>.

Anonymous:1968:EBc

- [Ano68c] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 20(1):ifc, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890088X>.

Anonymous:1968:EBd

- [Ano68d] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 21(1):ifc, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900544>.

Anonymous:1968:E

- [Ano68e] Anonymous. Errata. *Journal of Theoretical Biology*, 20(2):I, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901963>.

Anonymous:1968:PJc

- [Ano68f] Anonymous. Pages 1–127 (July 1968). *Journal of Theoretical Biology*, 20(1):??, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PO

- [Ano68g] Anonymous. Pages 1–131 (October 1968). *Journal of Theoretical Biology*, 21(1):??, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PAa

- [Ano68h] Anonymous. Pages 1–132 (April 1968). *Journal of Theoretical Biology*, 19(1):??, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PJa

- [Ano68i] Anonymous. Pages 1–156 (January 1968). *Journal of Theoretical Biology*, 18(1):??, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PAb

- [Ano68j] Anonymous. Pages 129–270 (August 1968). *Journal of Theoretical Biology*, 20(2):??, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PMb

- [Ano68k] Anonymous. Pages 133–240 (May 1968). *Journal of Theoretical Biology*, 19(2):??, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PN

- [Ano68l] Anonymous. Pages 133–292 (November 1968). *Journal of Theoretical Biology*, 21(2):??, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PF

- [Ano68m] Anonymous. Pages 157–261 (February 1968). *Journal of Theoretical Biology*, 18(2):??, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PJb

- [Ano68n] Anonymous. Pages 241–344 (June 1968). *Journal of Theoretical Biology*, 19(3):??, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PMa

- [Ano68o] Anonymous. Pages 263–398 (March 1968). *Journal of Theoretical Biology*, 18(3):??, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PS

- [Ano68p] Anonymous. Pages 271–358 (September 1968). *Journal of Theoretical Biology*, 20(3):??, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1968:PD

- [Ano68q] Anonymous. Pages 293–452 (December 1968). *Journal of Theoretical Biology*, 21(3):??, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:Ab

- [Ano69a] Anonymous. Announcement. *Journal of Theoretical Biology*, 25(3):505, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800391>.

Anonymous:1969:Aa

- [Ano69b] Anonymous. Announcements. *Journal of Theoretical Biology*, 22(3):543–545, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936990023X>.

Anonymous:1969:EBa

- [Ano69c] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 22(1):ifc, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900745>.

Anonymous:1969:EBb

- [Ano69d] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 23(1):ifc, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900629>.

Anonymous:1969:EBc

- [Ano69e] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 24(1):i, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800019>.

Anonymous:1969:EBd

- [Ano69f] Anonymous. Editorial Board. *Journal of Theoretical Biology*, 25 (1):i, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800147>.

Anonymous:1969:FTD

- [Ano69g] Anonymous. Formal theory of drug dosage regimens. I: E. Krüger–Thiemer, J. Theoret. Biol. (1966). **13**, 212–235. *Journal of Theoretical Biology*, 22(1):I, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900885>.

Anonymous:1969:IVa

- [Ano69h] Anonymous. Index to volume 24. *Journal of Theoretical Biology*, 24 (1):351–354, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800020>.

Anonymous:1969:IVb

- [Ano69i] Anonymous. Index to volume 25. *Journal of Theoretical Biology*, 25(1):509–513, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800159>.

Anonymous:1969:PAa

- [Ano69j] Anonymous. Pages 1–168 (April 1969). *Journal of Theoretical Biology*, 23(1):??, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PJa

- [Ano69k] Anonymous. Pages 1–207 (January 1969). *Journal of Theoretical Biology*, 22(1):??, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PAb

- [Ano69l] Anonymous. Pages 131–245 (August 1969). *Journal of Theoretical Biology*, 24(2):??, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PMb

- [Ano69m] Anonymous. Pages 169–346 (May 1969). *Journal of Theoretical Biology*, 23(2):??, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PN

- [Ano69n] Anonymous. Pages 187–342 (November 1969). *Journal of Theoretical Biology*, 25(2):??, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PF

- [Ano69o] Anonymous. Pages 209–379 (February 1969). *Journal of Theoretical Biology*, 22(2):??, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PS

- [Ano69p] Anonymous. Pages 247–350 (September 1969). *Journal of Theoretical Biology*, 24(3):??, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PD

- [Ano69q] Anonymous. Pages 343–505 (December 1969). *Journal of Theoretical Biology*, 25(3):??, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PJb

- [Ano69r] Anonymous. Pages 347–495 (June 1969). *Journal of Theoretical Biology*, 23(3):??, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PJc

- [Ano69s] Anonymous. Pages 351–354, 1-130 (July 1969). *Journal of Theoretical Biology*, 24(1):??, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PMa

- [Ano69t] Anonymous. Pages 381–545 (March 1969). *Journal of Theoretical Biology*, 22(3):??, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Anonymous:1969:PO

- [Ano69u] Anonymous. Pages 509–513, 1-185 (October 1969). *Journal of Theoretical Biology*, 25(1):??, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

Aladjem:1965:AAR

- [AP65] Frederick Aladjem and Michael T. Palmiter. The antigen-antibody reaction: V. A quantitative theory of antigen-antibody reactions which allows for heterogeneity of antibodies. *Journal of Theoretical Biology*, 8(1):8–21, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900871>.

Arbib:1967:ATD

- [Arb67] Michael A. Arbib. Automata theory and development: Part I. *Journal of Theoretical Biology*, 14(2):131–156, February 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901105>.

Arnold:1961:WMM

- [Arn61] William Arnold. Wave mechanics and muscular contraction. *Journal of Theoretical Biology*, 1(3):404–406, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936190039X>.

Arnold:1968:SST

- [Arn68] W. N. Arnold. The selection of sucrose as the translocate of higher plants. *Journal of Theoretical Biology*, 21(1):13–20, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900568>.

Atassi:1966:SAA

- [Ata66] M. Z. Atassi. Significance of the amino acid composition of proteins 1. Composition of hemoglobins and myoglobins in relation to their structure, function and evolution. *Journal of Theoretical Biology*, 11(2):227–241, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901639>.

Atlan:1968:AIT

- [Atl68] Henri Atlan. Application of information theory to the study of the stimulating effects of ionizing radiation, thermal energy, and other environmental factors preliminary ideas for a theory of organization. *Journal of Theoretical Biology*, 21(1):45–70, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900593>.

Apter:1965:CDI

- [AW65] M. J. Apter and Lewis Wolpert. Cybernetics and development I. Information theory. *Journal of Theoretical Biology*, 8(2):244–257, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900755>.

Bowman:1963:MDH

- [BA63] James D. Bowman and Frederick Aladjem. A method for the determination of heterogeneity of antibodies. *Journal of Theoretical Biology*, 4(3):242–253, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900031>.

Baer:1964:PMH

- [Bae64] Dee Baer. A possible mode of histone synthesis. *Journal of Theoretical Biology*, 6(2):282–289, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900347>.

Barr:1962:NGP

- [Bar62] H. J. Barr. A new genetical particle: The hypotheson. *Journal of Theoretical Biology*, 3(3):514, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800435>.

Barr:1963:PVV

- [Bar63] Lloyd Barr. Propagation in vertebrate visceral smooth muscle. *Journal of Theoretical Biology*, 4(1):73–85, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901012>.

Barr:1965:MPP

- [Bar65] L. Barr. Membrane potential profiles and the Goldman equation. *Journal of Theoretical Biology*, 9(3):351–356, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900366>.

Bassham:1963:ECC

- [Bas63] J. A. Bassham. Energy capture and conversion by photosynthesis. *Journal of Theoretical Biology*, 4(1):52–72, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901000>.

Bellman:1966:CSE

- [BBKL66] R. Bellman, J. Buell, R. Kalaba, and J. Lockett. On the computational solution of an equation arising in chemotherapy using numerical inversion of the Laplace transform. *Journal of Theoretical Biology*, 11(2):334–337, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690169X>.

Brown:1963:HCM

- [BBS63] R. Glenn Brown, Grace M. Button, and John T. Smith. A hypothesis for a common mode of action of the fat soluble vitamins A, D, and E. *Journal of Theoretical Biology*, 5(3):489–492, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900912>.

Baker:1964:AGC

- [BCB64a] George A. Baker, J. Christy, and G. A. Baker. Analysis of genetic changes in finite populations composed of mixtures of pure lines. *Journal of Theoretical Biology*, 7(1):68–85, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900414>.

Baker:1964:SPG

- [BCB64b] George A. Baker, J. Christy, and G. A. Baker. Stochastic processes and genotypic frequencies under mixed selfing and random mating. *Journal of Theoretical Biology*, 7(1):86–97, July

1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900426>.

Bartley:1969:MMV

- [BDF69] W. Bartley, B. Dean, and W. Ferdinand. Maintenance of mitochondrial volume and the effects of phosphate and ATP in producing swelling and shrinking. *Journal of Theoretical Biology*, 24(2):192–202, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800457>.

Begbie:1963:ECV

- [Beg63] G. H. Begbie. Eye-centering and the vestibulo-ocular reflex in man. *Journal of Theoretical Biology*, 4(2):215–222, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900298>.

Bell:1961:SEM

- [Bel61] L. G. E. Bell. Surface extension as the mechanism of cellular movement and cell division. *Journal of Theoretical Biology*, 1(1):104–106, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900303>.

Bell:1962:PCM

- [Bel62] L. G. E. Bell. Polysaccharide and cell membranes. *Journal of Theoretical Biology*, 3(1):132–133, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800095>.

Bennett:1963:RMS

- [Ben63] J. H. Bennett. Random mating and sex linkage. *Journal of Theoretical Biology*, 4(1):28–36, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900985>.

Bergner:1961:TDT

- [Ber61a] Per-Erik E. Bergner. Tracer dynamics: I. A tentative approach and definition of fundamental concepts. *Journal of Theoretical Biology*, 1(2):120–140, April 1961. CODEN JTBIAP. ISSN

0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936190042X>.

Bergner:1961:TDI

- [Ber61b] Per-Erik E. Bergner. Tracer dynamics: II. The limiting properties of the tracer system. *Journal of Theoretical Biology*, 1(3): 359–381, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900376>.

Bergner:1962:SICa

- [Ber62a] Per-Erik E. Bergner. On the stochastic interpretation of cell survival curves. *Journal of Theoretical Biology*, 2(3):279–295, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900310>.

Bergner:1962:SICb

- [Ber62b] Per-Erik E. Bergner. On the stochastic interpretation of cell survival curves — errata. *Journal of Theoretical Biology*, 3(3): 354, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800319>.

Bernstein:1962:MIR

- [Ber62c] Harris Bernstein. On the mechanism of intragenic recombination. I. The r II region of bacteriophage T 4. *Journal of Theoretical Biology*, 3(3):335–353, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800307>.

Berman:1963:PAM

- [Ber63] Mones Berman. A postulate to aid in model building. *Journal of Theoretical Biology*, 4(3):229–236, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900018>.

Bergner:1964:TDD

- [Ber64a] Per-Erik E. Bergner. Tracer dynamics and the determination of pool-sizes and turnover factors in metabolic systems. *Journal of Theoretical Biology*, 6(2):137–158, March 1964. CODEN JTBIAP.

ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900256>.

Bernhard:1964:SSB

- [Ber64b] R. Bernhard. Survey of some biological aspects of irreversible thermodynamics. *Journal of Theoretical Biology*, 7(3):532–557, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900207>.

Bernhard:1964:TCK

- [Ber64c] R. Bernhard. Towards a chemical kinetic brain model. *Journal of Theoretical Biology*, 6(2):244–257, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900311>.

Bernstein:1964:MIR

- [Ber64d] Harris Bernstein. On the mechanism of intragenic recombination II. *Neurospora crassa*. *Journal of Theoretical Biology*, 6(3):347–370, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900529>.

Bergner:1965:SNS

- [Ber65] Per-Erik E. Bergner. On stationary and non-stationary red cell survival curves. *Journal of Theoretical Biology*, 9(3):366–388, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936590038X>.

Bigelow:1967:AHP

- [Big67] Charles C. Bigelow. On the average hydrophobicity of proteins and the relation between it and protein structure. *Journal of Theoretical Biology*, 16(2):187–211, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900045>.

Bellman:1966:IPE

- [BKK66] R. Bellman, H. Kagiwada, and R. Kalaba. Inverse problems in ecology. *Journal of Theoretical Biology*, 11(1):164–167, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900464>.

Boyd:1969:ESE

- [BL69] Donald B. Boyd and William N. Lipscomb. Electronic structures for energy-rich phosphates. *Journal of Theoretical Biology*, 25(3):403–420, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800299>

Black:1966:MEI

- [Bla66] Francis L. Black. Measles endemicity in insular populations: Critical community size and its evolutionary implication. *Journal of Theoretical Biology*, 11(2):207–211, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901615>.

Blakley:1967:DNS

- [Bla67a] G. R. Blakley. Darwinian natural selection acting within populations. *Journal of Theoretical Biology*, 17(2):252–281, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901713>.

Blatt:1967:EBP

- [Bla67b] John M. Blatt. Enzymatic break-up of polypeptides as a stochastic process. *Journal of Theoretical Biology*, 17(2):282–303, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901725>.

Bleecken:1969:DBC

- [Ble69] S. Bleecken. Duplication of the bacterial cell and its initiation. *Journal of Theoretical Biology*, 25(1):137–158, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800214>.

Baker:1962:NCAb

- [BLT62a] B. R. Baker, William W. Lee, and Ethel Tong. Non-classical antimetabolites. VI. 4-(iodoacetamido)-salicylic acid, an exoalkylating irreversible inhibitor. *Journal of Theoretical Biology*, 3(3):459–483, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936280037X>

Baker:1962:NCAa

- [BLT⁺62b] B. R. Baker, William W. Lee, Ethel Tong, Leonard O. Ross, and Abelardo P. Martinez. Non-classical antimetabolites. V. Further factors in the design of exo-alkylating enzyme inhibitors, particularly of lactic dehydrogenase. *Journal of Theoretical Biology*, 3(3):446–458, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800368>.

Blumenthal:1962:CCP

- [Blu62] Linda K. Blumenthal. A contribution to the coding problem. *Journal of Theoretical Biology*, 2(1):72–73, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800290>.

Blumberg:1968:LGR

- [Blu68] A. A. Blumberg. Logistic growth rate functions. *Journal of Theoretical Biology*, 21(1):42–44, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900581>.

Bailey:1962:IBH

- [BNW62] V. A. Bailey, A. J. Nicholson, and E. J. Williams. Interaction between hosts and parasites when some host individuals are more difficult to find than others. *Journal of Theoretical Biology*, 3(1):1–18, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800022>.

Bennett:1965:ARA

- [BO65] J. H. Bennett and Carolyn R. Oertel. The approach to a random association of genotypes with random mating. *Journal of Theoretical Biology*, 9(1):67–76, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900573>.

Bock:1967:PTS

- [Boc67] R. M. Bock. Prediction of a topaz suppressor ribonucleic acid. *Journal of Theoretical Biology*, 16(3):438–439, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900665>.

Bodmer:1963:NSM

- [Bod63] Walter F. Bodmer. Natural selection for modifiers of heterozygote fitness. *Journal of Theoretical Biology*, 4(1):86–97, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901024>.

Boettcher:1963:SES

- [Boe63] B. Boettcher. A suggested explanation of some cases of high negative interference and certain mapping anomalies in phage t4b. *Journal of Theoretical Biology*, 5(1):108–113, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900390>.

Bossert:1968:TPO

- [Bos68] William H. Bossert. Temporal patterning in olfactory communication. *Journal of Theoretical Biology*, 18(2):157–170, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901586>.

Boyden:1962:CDB

- [Boy62] Stephen V. Boyden. Cellular discrimination between indigenous and foreign matter. *Journal of Theoretical Biology*, 3(1):123–131, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800083>.

Boyd:1966:PII

- [Boy66] W. J. R. Boyd. Problems in the interpretation of the inheritance of leaf rust resistance in the common wheat. *Journal of Theoretical Biology*, 13(?):283–294, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900221>.

Balassa:1962:ETT

- [BP62] Georges Balassa and Georges Prevost. Etude Théorique de la transformation Bactérienne. *Journal of Theoretical Biology*, 3(2):315–334, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800204>.

Beck:1964:DPO

- [BR64] James S. Beck and Aldo Rescigno. Determination of precursor order and particular weighting functions from kinetic data. *Journal of Theoretical Biology*, 6(1):1–12, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900621>.

Bellman:1966:SDA

- [BR66] R. Bellman and R. S. Roth. Segmental differential approximation and biological systems: An analysis of a metabolic process. *Journal of Theoretical Biology*, 11(1):168–176, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900476>.

Braitenberg:1965:WCL

- [Bra65] V. Braitenberg. What can be learned from spike interval histograms about synaptic mechanisms. *Journal of Theoretical Biology*, 8(3):419–425, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900202>.

Brannen:1968:CRD

- [Bra68] J. P. Brannen. Concerning reversible denaturation of RNA and memory. *Journal of Theoretical Biology*, 20(3):358, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901367>.

Bresler:1967:CAT

- [Bre67] Emanuel H. Bresler. On criteria for active transport. *Journal of Theoretical Biology*, 16(1):135–146, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900574>.

Britton:1966:FPM

- [Bri66] H. G. Britton. Fluxes in passive, monovalent and polyvalent carrier systems. *Journal of Theoretical Biology*, 10(1):28–52, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901779>.

Bright:1969:CAC

- [Bri69] Peter B. Bright. Concerning “anisotropic” contributions of chemical reactions to flow equations and active transport. *Journal of Theoretical Biology*, 23(1):135–157, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900721>.

Brlow:1964:INB

- [Brl64] John S. Brlow. Inertial navigation as a basis for animal navigation. *Journal of Theoretical Biology*, 6(1):76–117, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900670>.

Browning:1962:EAP

- [Bro62] T. O. Browning. The environments of animals and plants. *Journal of Theoretical Biology*, 2(1):63–68, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800277>.

Brown:1963:CGC

- [Bro63] A. P. Brown. Cohesion and growth of cells in a tissue. *Journal of Theoretical Biology*, 5(3):372–388, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900845>.

Brody:1964:EES

- [Bro64] S. S. Brody. An estimate of the effective sizes of chlorophyll a aggregates in vivo as determined from emission spectra. *Journal of Theoretical Biology*, 7(2):352–359, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900797>.

Bronk:1969:RLP

- [Bro69] B. V. Bronk. On radioactive labeling of proliferating cells: The graph of labeled mitosis. *Journal of Theoretical Biology*, 22(3):468–492, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900162>.

Blizzard:1969:CCE

- [BS69] A. C. Blizzard and D. P. Santry. CNDO/2 calculations of the electronic structure of the guanine-cytosine base pair: Proton transfer in excited states. *Journal of Theoretical Biology*, 25(3):461–472, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800330>.

Bingley:1962:BPR

- [BT62] M. S. Bingley and C. M. Thompson. Bioelectric potentials in relation to movement in amoebae. *Journal of Theoretical Biology*, 2(1):16–32, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800241>.

Buerger:1966:MPI

- [Bue66] A. A. Buerger. A model for the penetration of integuments by nonelectrolytes. *Journal of Theoretical Biology*, 11(1):131–139, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900439>.

Buerger:1967:TIP

- [Bue67] A. A. Buerger. A theory of integumental penetration. *Journal of Theoretical Biology*, 14(1):66–73, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790094X>.

Burch:1966:SAI

- [Bur66] P. R. J. Burch. Spontaneous auto-immunity: Equations for age-specific prevalence and initiation-rates. *Journal of Theoretical Biology*, 12(3):397–409, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901524>.

Bossert:1963:AOC

- [BW63] William H. Bossert and Edward O. Wilson. The analysis of olfactory communication among animals. *Journal of Theoretical Biology*, 5(3):443–469, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900894>.

Boulton:1969:ICM

- [BW69] D. M. Boulton and C. S. Wallace. The information content of a multistate distribution. *Journal of Theoretical Biology*, 23(2): 269–278, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900411>.

Caianiello:1961:OTT

- [Cai61] E. R. Caianiello. Outline of a theory of thought-processes and thinking machines. *Journal of Theoretical Biology*, 1(2):204–235, April 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900467>.

Calvin:1961:QCP

- [Cal61] Melvin Calvin. Quantum conversion in photosynthesis. *Journal of Theoretical Biology*, 1(2):258–262, IN1–IN2, 263–287, April 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900492>.

Calogero:1968:SIS

- [Cal68] F. Calogero. Solution of infinite systems of differential equations of possible interest in evolutionary theories. *Journal of Theoretical Biology*, 19(1):79–89, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900064>.

Campbell:1967:PTN

- [Cam67] John Campbell. Permissive translation of nucleic acid: a mechanism for antibody synthesis. *Journal of Theoretical Biology*, 16(2): 321–331, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900124>.

Caplan:1966:CSR

- [Cap66a] S. R. Caplan. A characteristic of self-regulated linear energy converters the Hill force–velocity relation for muscle. *Journal of Theoretical Biology*, 11(1):63–86, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900403>.

Caplan:1966:DCR

- [Cap66b] S. R. Caplan. The degree of coupling and its relation to efficiency of energy conversion in multiple-flow systems. *Journal of Theoretical Biology*, 11(2):346–347, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690172X>.

Caplani:1966:DCR

- [Cap66c] S. R. Caplani. The degree of coupling and its relation to efficiency of energy conversion in multiple-flow systems. *Journal of Theoretical Biology*, 10(2):209–235, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690124X>.

Carlson:1964:MCM

- [Car64] Elof Axel Carlson. A method for calculating the maximum number of mutational events in *Drosophila melanogaster*. *Journal of Theoretical Biology*, 6(3):432–440, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900578>.

Claringbold:1961:ERF

- [CB61] P. J. Claringbold and J. S. F. Barker. The estimation of relative fitness of drosophila populations. *Journal of Theoretical Biology*, 1(2):190–203, April 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900455>.

Coe:1965:HRO

- [CC65] Elmon L. Coe and Mary H. Coe. A hypothesis relating oil: Water partition coefficients and vapor pressures of nonelectrolytes to their penetration rates through biological membranes. *Journal of Theoretical Biology*, 8(2):327–343, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900810>.

Cherry:1969:ODT

- [CC69] R. J. Cherry and D. Chapman. Optical determination of the thickness of thin lipid films. *Journal of Theoretical Biology*, 24(2):137–146, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936980041X>.

Cullinan:1969:TSM

- [CD69] H. T. Cullinan and G. B. DiPirro. A transition state model for active transport. *Journal of Theoretical Biology*, 23(1):11–22, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900642>.

Cennamo:1968:SSK

- [Cen68] C. Cennamo. Steady-state kinetics of one-substrate enzymic mechanisms involving two enzyme conformations I. Effects of modifiers on a mechanism postulating a single enzyme-substrate complex. *Journal of Theoretical Biology*, 21(2):260–277, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890074X>.

Cennamo:1969:SSK

- [Cen69] C. Cennamo. Steady-state kinetics of one-substrate enzymic mechanisms involving two enzyme conformations: II. Kinetic treatment of a reversible mechanism: Effects of modifiers and product inhibition. *Journal of Theoretical Biology*, 23(1):53–71, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900678>.

Chen:1969:HCS

- [CF69] R. L. W. Chen and P. Fong. Helical configuration of single-stranded DNA. *Journal of Theoretical Biology*, 22(1):180–187, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900861>.

Chun:1968:DEC

- [CFY68] P. W. Chun, M. Fried, and K. S. Yee. Determination of the equilibrium constants of associating protein systems I. the application of stepwise polynomial regression analysis. *Journal of Theoretical Biology*, 19(2):147–158, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901100>.

Cho:1967:KAIA

- [CGTK67a] Chai Moo Cho, Joseph Greco, Peter J. Talso, and Ervin Kaplan. Kinetic analysis of isotope exchange from a cylin-

der. *Journal of Theoretical Biology*, 16(2):151–158, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790001X>.

Cho:1967:KA1b

- [CGTK67b] Chai Moo Cho, Joseph Greco, Peter J. Talso, and Ervin Kaplan. Kinetic analysis of isotope exchange from a cylinder containing dissociable non-permeable interacting substance. *Journal of Theoretical Biology*, 16(2):159–165, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900021>.

Chaffee:1966:ESS

- [Cha66] R. R. J. Chaffee. On experimental selection for super-hibernating and non-hibernating lines of Syrian hamsters. *Journal of Theoretical Biology*, 12(1):151–154, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901937>.

Chiaraviglio:1965:SMC

- [Chi65] Lucio Chiaraviglio. Sequential machines and the coding of polypeptides. *Journal of Theoretical Biology*, 8(1):130–140, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900998>.

Cornew:1967:FCH

- [CHS67] Ronald W. Cornew, James C. Houk, and Lawrence Stark. Fine control in the human temperature regulation system. *Journal of Theoretical Biology*, 16(3):406–426, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900641>.

Cinatl:1969:IOM

- [Cin69] Jaroslav Cinátl. Inorganic-organic multimolecular complexes of salt solutions, culture media and biological fluids and their possible significance for the origin of life. *Journal of Theoretical Biology*, 23(1):1–8, IN1–IN6, 9–10, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900630>.

Clayton:1963:AES

- [Cla63] Roderick K. Clayton. An automatic energy switch in photosynthesis. *Journal of Theoretical Biology*, 5(3):497–499, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900936>.

Claxton:1964:DPS

- [Cla64] J. H. Claxton. The determination of patterns with special reference to that of the central primary skin follicles in sheep. *Journal of Theoretical Biology*, 7(2):302–317, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900748>.

Clayton:1967:ARB

- [Cla67] Roderick K. Clayton. An analysis of the relations between fluorescence and photochemistry during photosynthesis. *Journal of Theoretical Biology*, 14(2):173–186, February 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901129>.

Chalvet:1962:SAQ

- [CM62] O. Chalvet and R. Mason. Some aspects of quantum biology: a review. *Journal of Theoretical Biology*, 3(1):51–81, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800046>.

Coe:1968:MLS

- [Coe68] Fredric L. Coe. Mean life in steady-state populations. *Journal of Theoretical Biology*, 18(2):171–180, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901598>.

Cohen:1966:ORR

- [Coh66] Dan Cohen. Optimizing reproduction in a randomly varying environment. *Journal of Theoretical Biology*, 12(1):119–129, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901883>.

Cohen:1967:ORR

- [Coh67] Dan Cohen. Optimizing reproduction in a randomly varying environment when a correlation may exist between the conditions at the time a choice has to be made and the subsequent outcome. *Journal of Theoretical Biology*, 16(1):1–14, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900501>.

Cohen:1969:NMI

- [Coh69] Dan Cohen. A necessary mechanism for the intracellular degradation of metabolically active macromolecules. *Journal of Theoretical Biology*, 24(1):126–127, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800123>.

Cone:1969:STA

- [Con69] C. D. Cone. Some theoretical aspects of intercellular bridges as a potential mechanism of cancerous proliferation. *Journal of Theoretical Biology*, 22(2):365–379, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900101>.

Coren:1965:UCI

- [Cor65] Richard L. Coren. Uterine contraction and intra-amniotic pressure. *Journal of Theoretical Biology*, 9(1):1–15, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900536>.

Coulson:1969:RPL

- [Cou69] A. S. Coulson. Recognition pathway in lymphocytes. *Journal of Theoretical Biology*, 25(1):127–136, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800202>.

Claverie:1966:VWL

- [CPC66] Pierre Claverie, Bernard Pullman, and Jacqueline Caillet. Van der Waals–London interactions between stacked purines and pyrimidines. *Journal of Theoretical Biology*, 12(3):419–434, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901548>.

Cocordano:1966:RBE

- [CRJ66] Maurice Cocordano, Jacques Ricard, and André Julg. Relations between the electronic structure and auxinic activity of chlorinated benzoic acids. *Journal of Theoretical Biology*, 12(3):291–296, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901433>.

Crosby:1963:END

- [Cro63] J. L. Crosby. The evolution and nature of dominance. *Journal of Theoretical Biology*, 5(1):35–51, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900353>.

Crowe:1968:MMM

- [Cro68] Alan Crowe. A mechanical model of the mammalian muscle spindle. *Journal of Theoretical Biology*, 21(1):21–41, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890057X>.

Case:1965:ASF

- [CS65] Carl T. Case and Manuel Schwartz. The application of a system of fixed-rotating vectors to circuit analysis and synthesis. *Journal of Theoretical Biology*, 8(2):221–232, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900731>.

Cairns-Smith:1966:OLN

- [CS66] A. G. Cairns-Smith. The origin of life and the nature of the primitive gene. *Journal of Theoretical Biology*, 10(1):53–88, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901780>.

Coulson:1968:TRS

- [CS68] A. S. Coulson and N. V. Smith. The tuberculin receptor site on sensitized human lymphocytes. *Journal of Theoretical Biology*, 20(1):112–116, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900969>.

Changeux:1967:MAC

- [CT67] J. P. Changeux and J. Thiéry. On the mode of action of colicins: a model of regulation at the membrane level. *Journal of Theoretical Biology*, 17(2):315–318, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901750>.

Currey:1968:ABS

- [Cur68] J. D. Currey. The adaptation of bones to stress. *Journal of Theoretical Biology*, 20(1):91–106, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900945>.

Czerlinski:1964:ACRa

- [Cze64a] Georg Czerlinski. Application of chemical relaxation to biochemical systems: I. Isolated reactions. *Journal of Theoretical Biology*, 7(3):435–462, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900165>.

Czerlinski:1964:ACRb

- [Cze64b] Georg Czerlinski. Application of chemical relaxation to biochemical systems: II. Two-step-reactions. *Journal of Theoretical Biology*, 7(3):463–484, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900177>.

Czerlinski:1967:ACR

- [Cze67] George Czerlinski. Application of chemical relaxation to biological systems: III. Selected three-step reactions. *Journal of Theoretical Biology*, 17(3):343–382, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900987>.

Czerlinski:1968:CRCa

- [Cze68a] G. H. Czerlinski. Chemical relaxation of cyclic enzyme reactions: I. General kinetic treatment of three-step mechanisms. *Journal of Theoretical Biology*, 21(3):387–397, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901227>.

Czerlinski:1968:CRCb

- [Cze68b] G. H. Czerlinski. Chemical relaxation of cyclic enzyme reactions: II. General kinetic treatment of four-step mechanisms. *Journal of Theoretical Biology*, 21(3):398–407, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901239>.

Czerlinski:1968:CRCc

- [Cze68c] G. H. Czerlinski. Chemical relaxation of cyclic enzyme reactions: III. Experimental implication of previous results. *Journal of Theoretical Biology*, 21(3):408–420, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901240>.

DAdamo:1963:SPH

- [D'A63] Amedeo F. D'Adamo. Shunt pathways and high energy phosphate synthesis. *Journal of Theoretical Biology*, 4(1):142–144, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901061>.

Danielli:1961:P

- [Dan61] J. F. Danielli. Preface. *Journal of Theoretical Biology*, 1(1):i, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900224>.

Daniel:1964:FCI

- [Dan64] Vera Daniel. Field controlled ion trapping as a mechanism in nerve membranes. *Journal of Theoretical Biology*, 6(3):375–385, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900542>.

Danielli:1966:TLM

- [Dan66] T. F. Danielli. On the thickness of lipid membranes. *Journal of Theoretical Biology*, 12(3):439–441, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL <http://www.sciencedirect.com/science/article/pii/S0022519366901561>.

Danielli:1967:Ea

- [Dan67a] J. F. Danielli. Editorial. *Journal of Theoretical Biology*, 15(2):179, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519367901981>.

Danielli:1967:Eb

- [Dan67b] J. F. Danielli. Editorial. *Journal of Theoretical Biology*, 15(3):273, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519367901361>.

Danchin:1969:BMI

- [Dan69] A. Danchin. Binding of metal ions to macromolecules through an NMR spectrometric method of investigation. *Journal of Theoretical Biology*, 25(2):317–330, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800664>.

Darvey:1968:TPK

- [Dar68] I. G. Darvey. Transient phase kinetics of enzyme reactions. *Journal of Theoretical Biology*, 19(2):215–231, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936890115X>.

Darvey:1969:PFS

- [Dar69] I. G. Darvey. Prediction of the form of steady-state rate equations from kinetic data. *Journal of Theoretical Biology*, 25(1):109–112, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800184>.

Davies:1965:TQO

- [Dav65] J. T. Davies. A theory of the quality of odours. *Journal of Theoretical Biology*, 8(1):1–7, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936590086X>.

Davidovits:1966:QFS

- [Dav66] J. Davidovits. The quaternary and fibrillar structure of native collagen. *Journal of Theoretical Biology*, 12(1):1–6, IN2, 7–11, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901834>.

Dawson:1966:IAD

- [Daw66] P. S. Dawson. Insect antennal development and the serrate gene in *tribolium castaneum*. *Journal of Theoretical Biology*, 12(1):133–139, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901901>.

Dayhoff:1965:CAP

- [Day65] M. O. Dayhoff. Computer aids to protein sequence determination. *Journal of Theoretical Biology*, 8(1):97–112, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900962>.

deDuve:1964:PTF

- [dD64] Christian de Duve. Principles of tissue fractionation. *Journal of Theoretical Biology*, 6(1):33–40, IN2, 41–59, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900657>.

Drobnik:1966:SME

- [DD66] Jaroslav Drobník and Jarmila Dlouhá. Statistical model of evolution of haploid organisms during simple vegetative reproduction. *Journal of Theoretical Biology*, 11(3):418–435, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901020>.

DeRocco:1967:GTH

- [De 67] Andrew G. De Rocco. On a generalization of the theorem of hamaker and de Boer: The interaction of spherical colloids in solution. *Journal of Theoretical Biology*, 15(1):34–40, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900410>.

DeLey:1969:CND

- [De 69] J. De Ley. Compositional nucleotide distribution and the theoretical prediction of homology in bacterial DNA. *Journal of Theoretical Biology*, 22(1):89–116, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900824>.

DeLong:1967:SB

- [DeL67] Richard DeLong. On sexuality in bacteria. *Journal of Theoretical Biology*, 16(3):333–336, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900598>.

Despopoulos:1965:DSS

- [Des65] Agamemnon Despopoulos. A definition of substrate specificity in renal transport of organic anions. *Journal of Theoretical Biology*, 8(1):163–186, IN1–IN3, 187–192, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901013>.

Deutsch:1963:LES

- [Deu63] J. A. Deutsch. Learning and electrical self-stimulation of the brain. *Journal of Theoretical Biology*, 4(2):193–214, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900286>.

Dewan:1964:NOE

- [Dew64] Edmond M. Dewan. Nonlinear oscillations and electroencephalography. *Journal of Theoretical Biology*, 7(1):141–159, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900475>.

Lima-de-Faria:1962:SML

- [dF62] A. Lima de Faria. Selection at the molecular level. *Journal of Theoretical Biology*, 2(1):7–15, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936280023X>.

Dainty:1963:ITF

- [DG63] J. Dainty and B. Z. Ginzburg. Irreversible thermodynamics and frictional models of membrane processes, with particular reference to the cell membrane. *Journal of Theoretical Biology*, 5(2):256–265, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900638>.

Degn:1969:TOR

- [DH69] H. Degn and D. E. F. Harrison. Theory of oscillations of respiration rate in continuous culture of klebsiella aerogenes. *Journal of Theoretical Biology*, 22(2):238–248, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936900034>.

Diamondstone:1969:DBB

- [Dia69] Thomas I. Diamondstone. On the distinction between binding of substrate and kinetic order of addition in enzyme-catalyzed reactions. *Journal of Theoretical Biology*, 25(3):347–364, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800251>.

Dick:1964:PCW

- [Dic64] D. A. T. Dick. The permeability coefficient of water in the cell membrane and the diffusion coefficient in the cell interior. *Journal of Theoretical Biology*, 7(3):504–531, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900190>.

DiStefano:1969:MNT

- [DiS69] J. J. DiStefano. A model of the normal thyroid hormone glandular secretion mechanism. *Journal of Theoretical Biology*, 22(3):412–417, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900137>.

Dix:1968:DV

- [Dix68] Douglas Dix. A defense of vitalism. *Journal of Theoretical Biology*, 20(3):338–340, September 1968. CODEN JTBIAP. ISSN

0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901331>.

Deering:1966:STC

- [DKGK66] R. A. Deering, Alfred A. Kraus, D. M. Gray, and Rein Kilson. Some theoretical considerations of polarized light effects on unoriented biological systems. *Journal of Theoretical Biology*, 13(?):295–317, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900233>.

Day:1969:MSS

- [DL69a] C. E. Day and R. S. Levy. Molecular structure of serum lipoproteins. *Journal of Theoretical Biology*, 23(3):387–399, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900277>.

Day:1969:GFR

- [DL69b] Charles E. Day and Robert S. Levy. A generalized functional role for phospholipids. *Journal of Theoretical Biology*, 22(3):541–542, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900228>.

deLuca:1967:FNP

- [dLR67] A. de Luca and L. M. Ricciardi. Formalized neuron: Probabilistic description and asymptotic theorems. *Journal of Theoretical Biology*, 14(2):206–217, February 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901142>.

Doetsch:1966:SSA

- [Doe66] R. N. Doetsch. Some speculations accounting for the movement of bacterial flagella. *Journal of Theoretical Biology*, 11(3):411–417, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901019>.

Doerner:1967:PGC

- [Doe67] Karl Doerner. Pressure gradients in cells. *Journal of Theoretical Biology*, 14(3):284–292, March 1967. CODEN JTBIAP.

ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900811>.

Doerner:1968:SDC

- [Doe68] Karl Doerner. Stresses and duration of cellular contact. *Journal of Theoretical Biology*, 19(3):275–286, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901392>.

Doerner:1969:PFC

- [Doe69] Karl F. Doerner. Propagation of forces in cells. *Journal of Theoretical Biology*, 25(2):226–235, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800615>.

Dounce:1962:NHN

- [Dou62] A. L. Dounce. A new hypothesis for nucleic acid replication. *Journal of Theoretical Biology*, 2(2):152–158, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900437>.

Dilworth:1969:DNF

- [DP69] M. J. Dilworth and C. A. Parker. Development of the nitrogen-fixing system in legumes. *Journal of Theoretical Biology*, 25(2):208–218, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800597>.

Darvey:1966:DNI

- [DPW66a] I. G. Darvey, S. J. Prokhovnik, and J. F. Williams. The determination of the number of intermediates in enzyme catalysed reactions. *Journal of Theoretical Biology*, 13(?):90–99, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900105>.

Darvey:1966:UPS

- [DPW66b] I. G. Darvey, S. J. Prokhovnik, and J. F. Williams. The use of power series solutions in the kinetics of enzyme reactions with one intermediate. *Journal of Theoretical Biology*, 11(3):459–464, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901056>.

Dikstein:1966:BSR

- [DS66] S. Dikstein and F. G. Sulman. Biochemistry of stimulus-response-recovery cycle and its relationship to the pharmacological receptor. *Journal of Theoretical Biology*, 12(3):385–396, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901512>.

Darvey:1967:ATM

- [DS67] I. G. Darvey and P. J. Staff. The application of the theory of Markov processes to the reversible one substrate-one intermediate-one product enzymic mechanism. *Journal of Theoretical Biology*, 14(2):157–172, February 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901117>.

DiStefano:1968:IHH

- [DS68] Joseph J. DiStefano and Edwin B. Stear. On identification of hypothalamo-hypophysial control and feedback relationships with the thyroid gland. *Journal of Theoretical Biology*, 19(1):29–50, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900039>.

Dalrymple:1968:DCM

- [DSB68] G. V. Dalrymple, J. L. Sanders, and M. L. Baker. Do cultured mammalian cells repair radiation injury by the “cut-and-patch” mechanism? *Journal of Theoretical Biology*, 21(3):368–386, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901215>.

Duncan:1963:EMC

- [Dun63] C. J. Duncan. Excitatory mechanisms in chemo- and mechanoreceptors. *Journal of Theoretical Biology*, 5(1):114–126, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900407>.

Duncan:1965:CPC

- [Dun65] C. J. Duncan. Cation-permeability control and depolarization in excitable cells. *Journal of Theoretical Biology*, 8(3):403–418, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900196>.

Drobnik:1966:NMD

- [DV66] J. Drobnik and V. Vondrejs. A new model of DNA replication. *Journal of Theoretical Biology*, 12(2):251–259, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901160>.

Eberhardt:1969:SAF

- [Ebe69] L. L. Eberhardt. Similarity, allometry and food chains. *Journal of Theoretical Biology*, 24(1):43–55, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800056>.

Eck:1962:PCN

- [Eck62] Richard V. Eck. The protein cryptogram I. Non-random occurrence of amino acid “alleles”. *Journal of Theoretical Biology*, 2(2):139–151, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900425>.

Evans:1966:IDM

- [EDT66] Robert L. Evans, Raymond L. Duncan, and John V. Tyberg. Indicator dilution measurements of almost-simultaneous regional blood flows in the dog. *Journal of Theoretical Biology*, 10(3):490–507, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901391>.

Everitt:1968:ECL

- [EH68] C. T. Everitt and D. A. Haydon. Electrical capacitance of a lipid membrane separating two aqueous phases. *Journal of Theoretical Biology*, 18(3):371–379, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900842>.

Everitt:1969:IDL

- [EH69] C. T. Everitt and D. A. Haydon. Influence of diffusion layers during osmotic flow across bimolecular lipid membranes. *Journal of Theoretical Biology*, 22(1):9–19, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900769>.

Ehret:1967:PTS

- [Ehr67] C. F. Ehret. Paratene theory of the shapes of cells. *Journal of Theoretical Biology*, 15(2):263–272, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790207X>.

Essig:1966:NFT

- [EKH66] A. Essig, O. Kedem, and T. L. Hill. Net flow and tracer flow in lattice and carrier models. *Journal of Theoretical Biology*, 13(??):72–89, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900099>.

Elliott:1968:FBS

- [Ell68] G. F. Elliott. Force-balances and stability in hexagonally-packed polyelectrolyte systems. *Journal of Theoretical Biology*, 21(1):71–87, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890060X>.

Elsasser:1961:QCO

- [Els61] Walter M. Elsasser. Quanta and the concept of organismic law. *Journal of Theoretical Biology*, 1(1):27–58, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936190025X>.

Elsasser:1962:PAN

- [Els62] Walter M. Elsasser. Physical aspects of non-mechanistic biological theory. *Journal of Theoretical Biology*, 3(2):164–191, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800137>.

Elsasser:1963:NEO

- [Els63] Walter M. Elsasser. Note on evolution in organismic theory. *Journal of Theoretical Biology*, 4(2):166–174, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519363900250>.

Elsasser:1964:SOT

- [Els64] Walter M. Elsasser. Synopsis of organismic theory. *Journal of Theoretical Biology*, 7(1):53–67, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519364900402>.

Elsasser:1969:MEG

- [Els69] Walter M. Elsasser. The mathematical expression of generalized complementarity. *Journal of Theoretical Biology*, 25(2):276–296, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800640>.

Emlen:1966:NSH

- [Eml66] J. Merritt Emlen. Natural selection and human behavior. *Journal of Theoretical Biology*, 12(3):410–418, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519366901536>.

Epstein:1968:NSE

- [EMM68] J. Epstein, H. O. Michel, and W. A. Mosher. On the nucleophilicity of serine in enzymes. *Journal of Theoretical Biology*, 19(3):320–326, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519368901434>.

Engelberg:1962:ARI

- [Eng62] Joseph Engelberg. Analysis of a radiation-induced mutation in *E. coli*. *Journal of Theoretical Biology*, 2(3):312–325, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362900346>.

Engelberg:1968:DOM

- [Eng68] Joseph Engelberg. On deterministic origins of mitotic variability. *Journal of Theoretical Biology*, 20(2):249–259, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890194X>.

Enright:1965:SRB

- [Enr65] J. T. Enright. The search for rhythmicity in biological time-series. *Journal of Theoretical Biology*, 8(3):426–468, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900214>.

Enright:1967:SNS

- [Enr67] J. T. Enright. The spontaneous neuron subject to tonic stimulation. *Journal of Theoretical Biology*, 16(1):54–77, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900537>.

Erhan:1969:UDM

- [Erh69a] Semih Erhan. The unwinding of the DNA molecule during replication. *Journal of Theoretical Biology*, 23(2):339–341, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900447>.

Everitt:1969:PBL

- [ERH69b] C. T. Everitt, W. R. Redwood, and D. A. Haydon. Problem of boundary layers in the exchange diffusion of water across bimolecular lipid membranes. *Journal of Theoretical Biology*, 22(1):20–32, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900770>.

Essig:1966:IIA

- [Ess66] A. Essig. Isotope interaction and “abnormal” flux ratios — a frictional model. *Journal of Theoretical Biology*, 13(?):63–71, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900087>.

Estabrook:1966:MMG

- [Est66] G. F. Estabrook. A mathematical model in graph theory for biological classification. *Journal of Theoretical Biology*, 12(3):297–310, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901445>.

Estabrook:1968:GSP

- [Est68] G. F. Estabrook. A general solution in partial orders for the Camin–Sokal model in phylogeny. *Journal of Theoretical Biology*, 21(3):421–438, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901252>.

Ehret:1967:MMC

- [ET67] C. F. Ehret and E. Trucco. Molecular models for the circadian clock: I. The chronon concept. *Journal of Theoretical Biology*, 15(2):240–262, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367902068>.

Evans:1962:UAB

- [Eva62] Robert L. Evans. A unifying approach to blood flow theory. *Journal of Theoretical Biology*, 3(3):392–411, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800332>.

Eylar:1966:BRG

- [Eyl66] Edwin H. Eylar. On the biological role of glycoproteins. *Journal of Theoretical Biology*, 10(1):89–113, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901792>.

Fang:1969:ATR

- [Fan69] P. H. Fang. Analysis of tuberculin receptor site on sensitized human lymphocytes. *Journal of Theoretical Biology*, 24(1):128–130, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800135>.

Friedenberg:1966:EMSa

- [FBG⁺66a] R. Friedenberg, A. Blatt, V. Gallucci, J. F. Danielli, and I. Shames. Electrostatics of membrane systems — a non-statistical approach to cellular membrane systems. *Journal of Theoretical Biology*, 11(3):465–477, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901068>.

Friedenberg:1966:EMSb

- [FBG66b] R. Friedenberg, A. I. Blatt, and V. Gallucci. Electrostatics of membrane systems — II Fixed charge and dipole planar surfaces of finite dimensions. *Journal of Theoretical Biology*, 11(3):478–484, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690107X>.

Friedenberg:1966:PEF

- [FBG66c] R. Friedenberg, A. J. Blatt, and V. Gallucci. The potential energy functions of idealized models of fixed charge and dipole distributions as related to surface chemical phenomena. *Journal of Theoretical Biology*, 11(3):485–489, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901081>.

Fraser:1966:SGS

- [FBM66] Alex Fraser, Donald Burnell, and David Miller. Simulation of genetic systems X. Inversion polymorphism. *Journal of Theoretical Biology*, 13(??):1–14, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900026>.

Filmer:1967:MDR

- [FCR67] David L. Filmer, John R. Cannon, and N. Reiss. A method for determination of rate constants in enzyme reactions. *Journal of Theoretical Biology*, 16(2):280–293, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900094>.

Feibleman:1967:PG

- [Fei67] James K. Feibleman. The philosophy of gestation. *Journal of Theoretical Biology*, 16(3):356–365, September 1967. CODEN JTBIAP.

ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900616>.

Fellman:1968:CAQ

- [Fel68] J. H. Fellman. Comments on the action of quaternary ammonium compounds at the receptor site. *Journal of Theoretical Biology*, 20(1):124–125, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900982>.

Fisher:1962:ASB

- [Fis62a] Harvey F. Fisher. The appearance of substrate binding terms in the V_{\max} expression of enzyme reactions. *Journal of Theoretical Biology*, 3(3):484–486, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800381>.

Fisher:1962:DSD

- [Fis62b] R. A. Fisher. The detection of a sex difference in recombination values using double heterozygotes. *Journal of Theoretical Biology*, 3(3):509–513, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800423>.

Fisher:1962:ECP

- [Fis62c] Ronald A. Fisher. Enumeration and classification in polysomic inheritance. *Journal of Theoretical Biology*, 2(3):309–311, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900334>.

Fisher:1962:LES

- [Fis62d] Ronald A. Fisher. Letter to the Editor: Self-sterility alleles: a reply to Professor D. Lewis. *Journal of Theoretical Biology*, 3(1):146–147, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800113>.

Fitzgerald:1964:IRL

- [Fit64] P. H. Fitzgerald. The immunological role and long life-span of small lymphocytes. *Journal of Theoretical Biology*, 6(1):13–25, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900633>.

Finlayson:1969:AEF

- [FM69] Birdwell Finlayson and George H. Miller. An analysis of experimental foreign body stone formation. *Journal of Theoretical Biology*, 23(2):344–346, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900460>.

Fong:1967:DBH

- [Fon67a] Peter Fong. Dynamical basis of the helical structure of DNA. *Journal of Theoretical Biology*, 15(2):225–229, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367902032>.

Fong:1967:PDM

- [Fon67b] Peter Fong. Packing of the DNA molecule. *Journal of Theoretical Biology*, 15(2):230–235, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367902044>.

Fong:1968:PTL

- [Fon68] P. Fong. Phenomenological theory of life. *Journal of Theoretical Biology*, 21(2):133–152, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900672>.

Forsdyke:1969:TI

- [For69] D. R. Forsdyke. A theory of immunity. *Journal of Theoretical Biology*, 25(1):173–185, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800238>.

Franck:1964:TLU

- [FR64] James Franck and J. L. Rosenberg. A theory of light utilization in plant photosynthesis. *Journal of Theoretical Biology*, 7(2):276–301, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900736>.

Fraser:1962:SGS

- [Fra62] A. S. Fraser. Simulation of genetic systems. *Journal of Theoretical Biology*, 2(3):329–346, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936290036X>.

Freese:1962:EBC

- [Fre62a] Ernst Freese. On the evolution of the base composition of DNA. *Journal of Theoretical Biology*, 3(1):82–101, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800058>.

Frenster:1962:MDM

- [Fre62b] J. H. Frenster. The magnitude of disease as measured by tolerance tests. *Journal of Theoretical Biology*, 2(2):159–164, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900449>.

Fredericq:1963:NCF

- [Fre63] Pierre Fredericq. On the nature of colicinogenic factors: a review. *Journal of Theoretical Biology*, 4(2):159–165, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900249>.

Fried:1969:CTE

- [Fri69a] Jerrold Fried. Correction for threshold error in the determination of generation times by the grain-count halving method. *Journal of Theoretical Biology*, 24(1):108–120, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800093>.

Friedman:1969:ACF

- [Fri69b] M. H. Friedman. On an analysis of the constant field equation. *Journal of Theoretical Biology*, 25(3):502–504, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936980038X>.

Fruento:1965:EEI

- [Fru65] Antonio S. Frumento. The electrical effects of an ionic pump. *Journal of Theoretical Biology*, 9(2):253–262, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519365901116>.

Flake:1968:NCT

- [FT68] R. H. Flake and B. L. Turner. Numerical classification for taxonomic problems. *Journal of Theoretical Biology*, 20(2):260–270, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519368901951>.

Fujimoto:1963:KMG

- [Fuj63] Yoshinori Fujimoto. Kinetics of microbial growth and substrate consumption. *Journal of Theoretical Biology*, 5(2):171–191, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519363900584>.

Friedlander:1965:SAF

- [FW65] S. K. Friedlander and Mackenzie Walser. Some aspects of flow and diffusion in the proximal tubule of the kidney. *Journal of Theoretical Biology*, 8(1):87–96, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519365900950>.

Garfinkel:1962:CSS

- [Gar62] David Garfinkel. Computer simulation of steady-state glutamate metabolism in rat brain. *Journal of Theoretical Biology*, 3(3):412–422, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800344>.

Garfinkel:1967:ESL

- [Gar67a] David Garfinkel. Effect on stability of Lotka–Volterra ecological systems of imposing strict territorial limits on populations. *Journal of Theoretical Biology*, 14(3):325–327, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519367900859>.

Garfinkel:1967:SSE

- [Gar67b] David Garfinkel. A simulation study of the effect on simple ecological systems of making rate of increase of population density-dependent. *Journal of Theoretical Biology*, 14(1):46–58, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900926>.

Garrick:1967:KTM

- [Gar67c] Michael D. Garrick. The kinetics of the translation of messenger RNA into protein. *Journal of Theoretical Biology*, 17(1):19–30, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900161>.

Gatlin:1963:TFD

- [Gat63] L. L. Gatlin. Triplet frequencies in DNA and the genetic program. *Journal of Theoretical Biology*, 5(3):360–371, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900833>.

Gatlin:1964:BCH

- [Gat64] L. L. Gatlin. Base composition hyperbolic functional relationships in DNA. *Journal of Theoretical Biology*, 7(1):129–140, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900463>.

Gatlin:1966:ICD

- [Gat66] L. L. Gatlin. The information content of DNA. *Journal of Theoretical Biology*, 10(2):281–300, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901275>.

Gatlin:1968:ICD

- [Gat68] L. L. Gatlin. The information content of DNA. II. *Journal of Theoretical Biology*, 18(2):181–194, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901604>.

Gaunt:1964:ITD

- [Gau64] Paul Gaunt. Increment thresholds and dark adaptation. *Journal of Theoretical Biology*, 7(1):160–167, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900487>.

Giddings:1962:ESM

- [GB62a] J. Calvin Giddings and James R. Boyack. Effect of stabilizing media on zone mobility and spreading in electrophoresis. *Journal of Theoretical Biology*, 2(1):1–6, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800228>.

Gosselin:1962:DTS

- [GB62b] R. E. Gosselin and W. O. Berndt. Diffusional transport of solutes through mesentery and peritoneum. *Journal of Theoretical Biology*, 3(3):487–495, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800393>.

Grainger:1966:MGS

- [GB66] J. N. R. Grainger and L. Bass. A model of a growing steady state system. *Journal of Theoretical Biology*, 10(3):387–398, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901354>.

Gilbert:1968:TSE

- [GC68] M. Gilbert and P. Claverie. A theoretical study of the electrostatic interactions in the intercalation model of the DNA-dye complex. *Journal of Theoretical Biology*, 18(3):330–349, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900829>.

Goodwin:1969:PSM

- [GC69] Brian C. Goodwin and Morrel H. Cohen. A phase-shift model for the spatial and temporal organization of developing systems. *Journal of Theoretical Biology*, 25(1):49–107, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800172>.

Gatlin:1963:FRB

- [GD63] L. L. Gatlin and J. C. Davis. A functional relationship between base sequence in DNA and amino acid composition of protein. *Journal of Theoretical Biology*, 5(2):249–255, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900626>.

Gunther:1966:UTB

- [GdlB66] B. Günther and B. León de la Barra. A unified theory of biological similarities. *Journal of Theoretical Biology*, 13(??):48–59, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900063>.

Geduldig:1968:AMP

- [Ged68] Donald Geduldig. Analysis of membrane permeability coefficient ratios and internal ion concentrations from a constant field equation. *Journal of Theoretical Biology*, 19(1):67–78, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900052>.

Georgiev:1969:SOO

- [Geo69] G. P. Georgiev. On the structural organization of operon and the regulation of RNA synthesis in animal cells. *Journal of Theoretical Biology*, 25(3):473–490, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800342>.

Goel:1968:SEA

- [GFR68] Narendra S. Goel, Nobuo Fukuda, and Robert Rein. A semi-empirical analysis of the melting curves of synthetic DNA molecules and the calculation of the stacking and pairing energies and entropies in DNA. *Journal of Theoretical Biology*, 18(3):350–370, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900830>.

Gershfeld:1967:LTP

- [GG67] N. L. Gershfeld and R. J. Good. Line tension and the penetration of a cell membrane by an oil drop. *Journal of Theoretical Biology*, 17(2):246, IN6, 247–251, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901701>.

Grainger:1968:MGS

- [GGW68] J. N. R. Grainger, P. E. Gaffney, and T. T. West. A model of a growing steady-state system with a changing surface-volume ratio. *Journal of Theoretical Biology*, 21(1):123–130, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900659>.

Ginzburg:1967:WDS

- [GH67] B. Z. Ginzburg and J. Hogg. What does a short-circuit current measure in biological systems? *Journal of Theoretical Biology*, 14(3):316–322, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900835>.

Ghent:1966:MCB

- [Ghe66] Arthur W. Ghent. A model of crossing-over based on alternately-oriented dipoles. *Journal of Theoretical Biology*, 11(1):87–111, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900415>.

Gilvarry:1964:PPL

- [Gil64] J. J. Gilvarry. The possibility of a pristine lunar life. *Journal of Theoretical Biology*, 6(3):325–346, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900517>.

Gilbert:1968:DOC

- [Gil68] D. A. Gilbert. Differentiation, oncogenesis and cellular periodicities. *Journal of Theoretical Biology*, 21(1):113–122, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900647>.

Gingell:1967:MSP

- [Gin67] D. Gingell. Membrane surface potential in relation to a possible mechanism for intercellular interactions and cellular responses: a physical basis. *Journal of Theoretical Biology*, 17(3):451–482, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901075>.

Gingell:1968:CSP

- [Gin68] D. Gingell. Computed surface potential changes with membrane interaction. *Journal of Theoretical Biology*, 19(3):340–344, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901471>.

Gifford:1969:IDR

- [GK69] George E. Gifford and Arthur L. Koch. The interferon dose response curve and its possible significance. *Journal of Theoretical Biology*, 22(2):271–283, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900058>.

Gerst:1965:KPS

- [GL65] I. Gerst and S. N. Levine. Kinetics of protein synthesis by polyribosomes. *Journal of Theoretical Biology*, 9(1):16–36, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900548>.

Gunther:1968:OTT

- [GM68] B. Günther and C. Martinoya. Operational time and theory of biological similarities. *Journal of Theoretical Biology*, 20(1):107–111, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900957>.

Goel:1969:EIM

- [GM69] Narendra S. Goel and Samaresh C. Maitra. On the existence of independently melting subunits in a copolymeric DNA and their statistical distribution. *Journal of Theoretical Biology*, 23(1):87–98, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900691>.

Goel:1967:CPG

- [Goe67a] Narendra S. Goel. Comments on a paper by Gatlin “On the base composition hyperbolic functional relationship in DNA”. *Journal of Theoretical Biology*, 16(3):440–441, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900677>.

Goel:1967:KRC

- [Goe67b] Narendra S. Goel. Kinetics of replication of copolymeric DNA. *Journal of Theoretical Biology*, 15(3):325–345, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901415>.

Goffman:1966:MMD

- [Gof66] William Goffman. A mathematical model for describing the compatibility of infectious diseases. *Journal of Theoretical Biology*, 11(3):349–361, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690097X>.

Gold:1969:KFD

- [Gol69] Harvey J. Gold. Kinetics of facilitated diffusion of oxygen in tissue slices. *Journal of Theoretical Biology*, 23(3):455–462, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900319>.

Grabe:1964:RMD

- [Gra64] Barbro Grabe. A revised and more detailed hypothesis for the mechanism of oxidative phosphorylation at the diphosphopyridine nucleotide–flavin level. *Journal of Theoretical Biology*, 7(1):112–122, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936490044X>.

Green:1966:ASC

- [Gre66a] William A. Green. Aspects of some co-factor requirements in tumour metabolism. *Journal of Theoretical Biology*, 13(??):412–428, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900294>.

Green:1966:LMF

- [Gre66b] William A. Green. Is lipid metabolism a fundamental feature in tumour-host relationship? *Journal of Theoretical Biology*, 11(2): 212–226, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901627>.

Griffith:1968:MCCa

- [Gri68a] J. S. Griffith. Mathematics of cellular control processes I. Negative feedback to one gene. *Journal of Theoretical Biology*, 20(2): 202–208, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901896>.

Griffith:1968:MCCb

- [Gri68b] J. S. Griffith. Mathematics of cellular control processes II. Positive feedback to one gene. *Journal of Theoretical Biology*, 20(2): 209–216, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901902>.

Gross:1967:AMA

- [Gro67] Leo Gross. Active membranes for active transport. *Journal of Theoretical Biology*, 15(3):298–306, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901397>.

Grossberg:1969:PRC

- [Gro69] S. Grossberg. On the production and release of chemical transmitters and related topics in cellular control. *Journal of Theoretical Biology*, 22(2):325–364, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900095>.

Haarhoff:1969:UMN

- [Haa69] K. N. Haarhoff. Use of multivariate non-linear regression analysis in fitting enzyme kinetic models: An empirical study of the inhibition of aspartate aminotransferase by dicarboxylic acid substrate analogues. *Journal of Theoretical Biology*, 22(1):117–150, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900836>.

Hadjiolov:1967:EHM

- [Had67] Asen A. Hadjiolov. An endomessenger hypothesis on the mechanism of information transfer in animal cells. *Journal of Theoretical Biology*, 16(2):229–250, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900069>.

Hall:1961:PTS

- [Hal61] G. G. Hall. Permeation through a spherical membrane. *Journal of Theoretical Biology*, 1(1):18–26, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900248>.

Hamilton:1964:GESa

- [Ham64a] W. D. Hamilton. The genetical evolution of social behaviour. I. *Journal of Theoretical Biology*, 7(1):1–16, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900384>.

Hamilton:1964:GESb

- [Ham64b] W. D. Hamilton. The genetical evolution of social behaviour. II. *Journal of Theoretical Biology*, 7(1):17–52, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900396>.

Hamilton:1966:MSN

- [Ham66] W. D. Hamilton. The moulding of senescence by natural selection. *Journal of Theoretical Biology*, 12(1):12–45, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901846>.

Hancock:1967:OUP

- [Han67] J. E. H. Hancock. Open unbranched pathways through the vertices of an icosahedron. *Journal of Theoretical Biology*, 14(1):35–45, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900914>.

Hansche:1969:TBE

- [Han69] P. E. Hansche. A theoretical basis for the entrainment of chemostat populations. *Journal of Theoretical Biology*, 24(3):335–350, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800573>.

Hartley:1963:CMD

- [Har63] G. S. Hartley. A contribution to the mathematics of dosage transfer. *Journal of Theoretical Biology*, 5(1):57–101, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900377>.

Hasofer:1966:CTM

- [Has66a] A. M. Hasofer. A continuous-time model in population genetics. *Journal of Theoretical Biology*, 11(1):150–163, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900452>.

Hasofer:1966:STS

- [Has66b] A. M. Hasofer. A simplified treatment of Spetner's natural selection model. *Journal of Theoretical Biology*, 11(2):338–342, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901706>.

Havsteen:1966:SCB

- [Hav66] B. H. Havsteen. A study of the correlation between the amino acid composition and the helical content of proteins. *Journal of Theoretical Biology*, 10(1):1–10, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901743>.

Houk:1966:MAA

- [HCS66] James C. Houk, Ronald W. Cornew, and Lawrence Stark. A model of adaptation in amphibian spindle receptors. *Journal of Theoretical Biology*, 12(2):196–215, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901135>.

Hirsch:1965:ACC

- [HE65a] Henry R. Hirsch and Joseph Engelberg. An analog of cell-culture growth. *Journal of Theoretical Biology*, 9(2):303–312, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901153>.

Hirsch:1965:DCD

- [HE65b] Henry R. Hirsch and Joseph Engelberg. Determination of the cell doubling-time distribution from culture growth-rate data. *Journal of Theoretical Biology*, 9(2):297–302, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901141>.

Hebborn:1968:SAA

- [Heb68] P. Hebborn. On the selective antitumor activity of some alkylating carbamates. *Journal of Theoretical Biology*, 21(3):449–452, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901276>.

Hedges:1966:ESH

- [Hed66] A. J. Hedges. An examination of single-hit and multi-hit hypotheses in relation to the possible kinetics of colicin adsorption. *Journal of Theoretical Biology*, 11(3):383–410, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901007>.

Heddle:1969:IFT

- [Hed69] John A. Heddle. Influence of false twins on the ratios of twin and single sister chromatid exchanges. *Journal of Theoretical Biology*, 22(1):151–162, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900848>.

Heinmets:1964:ACA

- [Hei64] F. Heinmets. Analog computer analysis of a model-system for the induced enzyme synthesis. *Journal of Theoretical Biology*, 6(1):60–75, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900669>.

Hellwig:1964:EPW

- [Hel64] Gerhard Hellwig. Über ein einfaches prinzip, welches die entropieerzeugung von lebewesen betrifft. *Journal of Theoretical Biology*, 6(2):258–274, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900323>.

Hellwig:1968:CBCa

- [Hel68a] Gerhard Hellwig. The connection between the cell environment and the production of molecules whose synthesis requires energy I. The formulation of a general law. *Journal of Theoretical Biology*, 20(1):1–29, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900891>.

Hellwig:1968:CBCb

- [Hel68b] Gerhard Hellwig. The connection between the cell environment and the production of molecules whose synthesis requires energy II. The discussion of the general law. *Journal of Theoretical Biology*, 20(1):30–55, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900908>.

Henshaw:1968:TDH

- [Hen68] Robert E. Henshaw. Thermoregulation during hibernation: Application of Newton's law of cooling. *Journal of Theoretical Biology*, 20(1):79–90, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900933>.

Hersh:1962:MTC

- [Her62] R. T. Hersh. Mutants of TMV and the commaless code. *Journal of Theoretical Biology*, 2(3):326–328, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900358>.

Herman:1969:CAD

- [Her69] G. T. Herman. Computing ability of a developmental model for filamentous organisms. *Journal of Theoretical Biology*, 25(3):421–435, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800305>.

Hanai:1966:PWB

- [HH66] T. Hanai and D. A. Haydon. The permeability to water of bimolecular lipid membranes. *Journal of Theoretical Biology*, 11(3):370–382, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900993>.

Heyde:1969:SAO

- [HH69] C. C. Heyde and Elizabeth Heyde. A stochastic approach to a one substrate, one product enzyme reaction in the initial velocity phase. *Journal of Theoretical Biology*, 25(1):159–172, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800226>.

Hanai:1965:ILC

- [HHT65a] T. Hanai, D. A. Haydon, and Janet Taylor. The influence of lipid composition and of some adsorbed proteins on the capacitance of black hydrocarbon membranes. *Journal of Theoretical Biology*, 9(3):422–432, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936590041X>.

Hanai:1965:PGO

- [HHT65b] T. Hanai, D. A. Haydon, and Janet Taylor. Polar group orientation and the electrical properties of lecithin bimolecular leaflets. *Journal of Theoretical Biology*, 9(2):278–296, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936590113X>.

Hanai:1965:VCC

- [HHT65c] T. Hanai, D. A. Haydon, and Janet Taylor. The variation of capacitance and conductance of bimolecular lipid membranes with area. *Journal of Theoretical Biology*, 9(3):433–443, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900421>.

Higgins:1968:SRS

- [Hig68] J. Higgins. Some remarks on Shear's Liapunov function for systems of chemical reactions. *Journal of Theoretical Biology*, 21(3):293–304, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901173>.

Hill:1966:SITb

- [Hil66] Terrell L. Hill. Studies in irreversible thermodynamics IV. diagrammatic representation of steady state fluxes for unimolecular systems. *Journal of Theoretical Biology*, 10(3):442–459, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901378>.

Hill:1966:SITa

- [HK66] Terrell L. Hill and Ora Kedem. Studies in irreversible thermodynamics III. Models for steady state and active transport across membranes. *Journal of Theoretical Biology*, 10(3):399–441, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901366>.

Hunter:1968:SMM

- [HKG68] G. D. Hunter, R. H. Kimberlin, and R. A. Gibbons. Scrapie: a modified membrane hypothesis. *Journal of Theoretical Biology*, 20(3):355–357, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901355>.

Hoffmann:1964:SRH

- [HL64] T. A. Hoffmann and J. Ladik. Some remarks on the hypochromicity of polynucleotides. *Journal of Theoretical Biology*, 6(1):26–32, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900645>.

Hartl:1968:PEN

- [HM68] D. L. Hartl and T. Maruyama. Phenogram enumeration: The number of regular genotype-phenotype correspondences in genetic systems. *Journal of Theoretical Biology*, 20(2):129–163, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901860>.

Hawkins:1963:TAT

- [HOD63] Rosemary Hawkins, L. N. Owen, and J. F. Danielli. The toxicity and anti-tumour action of some alkylating sulphonamides. *Journal of Theoretical Biology*, 5(2):236–248, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900614>.

Holden:1966:RFT

- [Hol66a] A. L. Holden. Receptive fields and the two-point threshold. *Journal of Theoretical Biology*, 11(1):22–29, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690035X>.

Holgate:1966:TLD

- [Hol66b] P. Holgate. Two limit distributions in evolutionary genetics. *Journal of Theoretical Biology*, 11(3):362–369, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900981>.

Holgate:1967:PSL

- [Hol67] P. Holgate. Population survival and life history phenomena. *Journal of Theoretical Biology*, 14(1):1–10, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900896>.

Holden:1968:ETS

- [Hol68] J. T. Holden. Evolution of transport systems. *Journal of Theoretical Biology*, 21(1):97–102, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900623>.

Homer:1967:ROT

- [Hom67] Louis D. Homer. The receptor occupation theory of drug responses. *Journal of Theoretical Biology*, 17(3):399–409, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901002>.

Horrobin:1969:FSC

- [Hor69] D. F. Horrobin. The female sex cycle. *Journal of Theoretical Biology*, 22(1):80–88, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900812>.

Hill:1962:C

- [HPW62] J. A. Hill, J. M. Pratt, and R. J. P. Williams. The cor-pyrins. *Journal of Theoretical Biology*, 3(3):423–445, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800356>.

Hausmann:1966:ENF

- [HR66] Ernest Hausmann and Douglas S. Riggs. The effectiveness of negative feedback in regulating plasma calcium in the dog. *Journal of Theoretical Biology*, 12(3):350–363, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901482>.

Hilgartner:1969:PLSa

- [HR69a] C. A. Hilgartner and John F. Randolph. Psychologies 2. The structure of ‘unimpaired’ human behavior. *Journal of Theoretical Biology*, 23(3):347–374, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900241>.

Hilgartner:1969:PLSb

- [HR69b] C. A. Hilgartner and John F. Randolph. Psychologies: 3. The structure of empathy. *Journal of Theoretical Biology*, 24(1):1–29, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800032>.

Hilgartner:1969:PLA

- [HR69c] C. A. Hilgartner and John F. Randolph. Psychologies: An axiomatic system describing human behavior. *Journal of Theoretical Biology*, 23(2):285–338, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900435>.

Haydon:1963:SPB

- [HT63] D. A. Haydon and Janet Taylor. The stability and properties of bimolecular lipid leaflets in aqueous solutions. *Journal of Theoretical Biology*, 4(3):281–296, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900079>.

Hughes:1968:CPL

- [Hug68] A. Hughes. Comments on the paper by lea “permeation through long narrow pores”. *Journal of Theoretical Biology*, 21(1):131, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900660>.

Hulett:1969:LPS

- [Hul69] H. R. Hulett. Limitations on prebiological synthesis. *Journal of Theoretical Biology*, 24(1):56–72, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800068>.

Hagemeijer:1969:LGA

- [HvR69] F. Hagemeijer and P. van Remoortere. Limitations of the graphical analysis of elution curves. *Journal of Theoretical Biology*, 25(2):236–254, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800627>.

Hogg:1969:MEP

- [HWJ69] J. Hogg, E. J. Williams, and R. J. Johnston. The membrane electrical parameters of nitella translucens. *Journal of Theoretical Biology*, 24(3):317–334, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800561>.

Idso:1968:ASI

- [Ids68] S. B. Idso. Atmospheric- and soil-induced water stresses in plants and their effects on transpiration and photosynthesis. *Journal of Theoretical Biology*, 21(1):1–12, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900556>.

Idso:1968:CPZ

- [IJ68] Sherwood B. Idso and Ray D. Jackson. Comments on paper by zotin and zotina “thermodynamic aspects of developmental biology”. *Journal of Theoretical Biology*, 20(1):126–127, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900994>.

Imamura:1966:SES

- [IKTN66] Akira Imamura, Masahiko Kodama, Yusaku Tagashira, and Chikayoshi Nagata. The semi-empirical SCF treatment of σ - π system I. Peptide molecule. *Journal of Theoretical Biology*, 10(2):356–369, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901329>.

Jahn:1962:TEC

- [Jah62] Theodore Louis Jahn. A theory of electronic conduction through membranes, and of active transport of ions, based on redox transmembrane potentials. *Journal of Theoretical Biology*, 2(2):129–138, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900413>.

Janoff:1964:RIM

- [Jan64] Aaron Janoff. The role of iron in macrophages. *Journal of Theoretical Biology*, 7(1):168–170, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900499>.

Jarosch:1964:QTP

- [Jar64] R. Jarosch. Zur quantitativen theorie der Proteinschraubenganghöhen von Bakteriengeißeln. (German) [The quantitative theory of protein screws — bacterial flagella pitches]. *Journal of Theoretical Biology*, 7(2):171–180, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900694>.

Johnston:1969:IRE

- [JD69] M. M. Johnston and W. F. Diven. An integrated rate equation for determining initial velocities. *Journal of Theoretical Biology*, 25(2):331–338, November 1969. CODEN

JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800676>.

Jehle:1967:SAC

- [Jeh67] Herbert Jehle. Structural aspects of the coding problem. *Journal of Theoretical Biology*, 15(2):236–238, IN2–IN4, 239, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367902056>.

Johnson:1969:MMS

- [JH69] R. N. Johnson and G. R. Hanna. Membrane model: a single transistor analog of excitable membrane. *Journal of Theoretical Biology*, 22(3):401–411, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900125>.

Johansen:1969:CES

- [JI69] Helge Johansen and Lloyd L. Ingraham. Calculation of the electronic structures and spectra for corrin and related compounds. *Journal of Theoretical Biology*, 23(2):191–204, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900368>.

Jacquez:1966:BSC

- [JM66] John A. Jacquez and Frances J. Mather. Balance studies on compartmental systems with stochastic inputs. *Journal of Theoretical Biology*, 11(3):446–458, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901044>.

Jennrich:1969:MNC

- [JT69] R. I. Jennrich and F. B. Turner. Measurement of non-circular home range. *Journal of Theoretical Biology*, 22(2):227–237, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900022>.

Johnson:1967:OVC

- [JW67] John A. Johnson and Theodore A. Wilson. Osmotic volume changes induced by a permeable solute. *Journal of Theoreti-*

cal Biology, 17(2):304–311, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901737>.

Kallenbach:1968:RDB

- [Kal68] Neville R. Kallenbach. Replication of DNA in bacteria with heterogeneous generation times. *Journal of Theoretical Biology*, 18(1):19–33, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901689>.

Karlin:1967:APM

- [Kar67] Arthur Karlin. On the application of “a plausible model” of allosteric proteins to the receptor for acetylcholine. *Journal of Theoretical Biology*, 16(2):306–320, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900112>.

Katsumata:1967:RIM

- [Kat67] Masuyuki Katsumata. Rearrangement of the Ingraham–Makower equation for a two-substrate enzyme reaction for practical application. *Journal of Theoretical Biology*, 17(1):108–120, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900239>.

Katsumata:1969:IEA

- [Kat69] Masuyuki Katsumata. Influence of enzyme activators and inhibitors, present in an enzyme preparation, on the relations between reaction rate and enzyme concentration. *Journal of Theoretical Biology*, 24(3):294–306, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800548>.

Kauffman:1967:SDR

- [Kau67] Stuart A. Kauffman. Sequential DNA replication and the control of differences in gene activity between sister chromatids — a possible factor in cell differentiation. *Journal of Theoretical Biology*, 17(3):483–497, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901087>.

Kauffman:1969:MSE

- [Kau69] S. A. Kauffman. Metabolic stability and epigenesis in randomly constructed genetic nets. *Journal of Theoretical Biology*, 22(3):437–467, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900150>.

Kavanau:1963:NTA

- [Kav63] J. Lee Kavanau. A new theory of amoeboid locomotion. *Journal of Theoretical Biology*, 4(1):124–141, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936390105X>.

Koch:1969:POS

- [KCE69] A. L. Koch, A. Carr, and D. W. Ehrenfeld. The problem of open-sea navigation: The migration of the green turtle to ascension Island. *Journal of Theoretical Biology*, 22(1):163–179, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936990085X>.

Kelman:1965:MAS

- [Kel65] R. B. Kelman. Mathematical analysis of sodium reabsorption in proximal part of nephron in presence of nonreabsorbed solute. *Journal of Theoretical Biology*, 8(1):22–26, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900883>.

Keleti:1967:L

- [Kel67] T. Keleti. The liberator. *Journal of Theoretical Biology*, 16(3):337–355, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900604>.

Kiefer:1968:MFC

- [Kie68] Jürgen Kiefer. A model of feedback-controlled cell populations. *Journal of Theoretical Biology*, 18(3):263–279, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900787>.

Kilkson:1966:ASV

- [Kil66a] Rein Kilkson. Antigenic specificity of virus structural components. *Journal of Theoretical Biology*, 12(3):435–438, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690155X>.

Kilkson:1966:SEC

- [Kil66b] Rein Kilkson. The structure and evolution of chromosomes. *Journal of Theoretical Biology*, 13(??):357–378, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900270>.

Kimizuka:1966:ICP

- [Kim66] Hideo Kimizuka. Ion current and potential across membranes. *Journal of Theoretical Biology*, 13(??):145–163, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900142>.

King:1964:PNM

- [Kin64] M. H. King. A possible new method for producing specific antisera. *Journal of Theoretical Biology*, 7(3):562–564, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900220>.

Kimizuka:1964:ITT

- [KK64] H. Kimizuka and K. Koketsu. Ion transport through cell membrane. *Journal of Theoretical Biology*, 6(2):290–305, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900359>.

Klachko:1966:RIM

- [Kla66] David M. Klachko. Regulation of intermediary metabolism by nucleotides: The mechanism of action of insulin. *Journal of Theoretical Biology*, 12(2):267–275, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901184>.

Klima:1966:IBN

- [Kli66] Jörg Klima. Informationsfluß beim nachbau von kettenmolekülen. (German) [Information flow in the reconstruction of chain molecules]. *Journal of Theoretical Biology*, 12(3):342–349, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901470>.

Koch:1965:MKM

- [KM65] Arthur L. Koch and Constance Miller. A mechanism for keeping mutations in check. *Journal of Theoretical Biology*, 8(1):71–80, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900937>.

Kimelberg:1965:MIH

- [KMT65] H. Kimelberg, J. F. Moran, and D. J. Triggle. The mechanism of interaction of 2-halogenoethylamines at the noradrenaline receptor. *Journal of Theoretical Biology*, 9(3):502–503, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900470>.

Knowles:1965:ESC

- [Kno65] J. R. Knowles. Enzyme specificity: α -chymotrypsin. *Journal of Theoretical Biology*, 9(2):213–228, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901086>.

Knox:1968:TTE

- [Kno68] R. S. Knox. On the theory of trapping of excitation in the photosynthetic unit. *Journal of Theoretical Biology*, 21(2):244–259, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900738>.

Koch:1962:ERB

- [Koc62] Arthur L. Koch. The evaluation of the rates of biological processes from tracer kinetic data. I. The influence of labile metabolic pools. *Journal of Theoretical Biology*, 3(2):283–303, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800186>.

Koch:1964:GVP

- [Koc64] Arthur L. Koch. The growth of viral plaques during the enlargement phase. *Journal of Theoretical Biology*, 6(3):413–431, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900566>.

Koch:1966:LBM

- [Koc66] Arthur L. Koch. The logarithm in biology 1. Mechanisms generating the log-normal distribution exactly. *Journal of Theoretical Biology*, 12(2):276–290, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901196>.

Koch:1967:KPC

- [Koc67a] Arthur L. Koch. Kinetics of permease catalyzed transport. *Journal of Theoretical Biology*, 14(2):103–130, February 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901099>.

Koch:1967:MCT

- [Koc67b] Arthur L. Koch. Metabolic control through reflexive enzyme action. *Journal of Theoretical Biology*, 15(1):75–102, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900458>.

Koch:1967:TBN

- [Koc67c] Arthur L. Koch. The tight binding nature of the repressor-operator interaction. *Journal of Theoretical Biology*, 16(2):166–186, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900033>.

Koch:1968:ERB

- [Koc68a] Arthur L. Koch. The evaluation of the rates of biological processes from tracer kinetic data: II. RNA metabolism in growing bacteria. *Journal of Theoretical Biology*, 18(1):105–132, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901732>.

Koch:1968:TAD

- [Koc68b] Arthur L. Koch. Theory of the angular dependence of light scattered by bacteria and similar-sized biological objects. *Journal of Theoretical Biology*, 18(1):133–156, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901744>.

Koch:1969:LBI

- [Koc69] A. L. Koch. The logarithm in biology: II. Distributions simulating the log-normal. *Journal of Theoretical Biology*, 23(2):251–268, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936990040X>.

Koide:1966:DIB

- [Koi66] F. T. Koide. The determination of the intercellular bridge resistance between smooth muscle cells. *Journal of Theoretical Biology*, 12(1):89–118, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901871>.

Koide:1967:DIB

- [Koi67] Frank T. Koide. Determination of intercellular bridge resistance in smooth muscle by measurement of injury and sucrose-gap potentials. *Journal of Theoretical Biology*, 16(2):268–279, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900082>.

Komarov:1963:SPA

- [Kom63] L. V. Komarov. Some potential areas for research on means of drastically increasing the human life span. *Journal of Theoretical Biology*, 4(2):147–158, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900237>.

Kordan:1967:LIF

- [Kor67] Herbert A. Kordan. Localized interfacial forces resulting from implanted plastics as possible physical factors involved in tumor

formation. *Journal of Theoretical Biology*, 17(1):1–11, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900148>.

Korn:1969:SAD

- [Kor69] Robert W. Korn. A stochastic approach to the development of coleocheate. *Journal of Theoretical Biology*, 24(2):147–158, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800421>.

Koshland:1962:CNE

- [Kos62] D. E. Koshland. The comparison of non-enzymic and enzymic reaction velocities. *Journal of Theoretical Biology*, 2(2):75–86, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900371>.

King:1967:DMS

- [KP67] Charles E. King and G. J. Paulik. Dynamic models and the simulation of ecological systems. *Journal of Theoretical Biology*, 16(2):251–267, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900070>.

Krzywicki:1967:FAP

- [KS67] André Krzywicki and Piotr P. Slonimski. Formal analysis of protein sequences: I. Specific long-range constraints in pair associations of amino acids. *Journal of Theoretical Biology*, 17(1):136–158, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900252>.

Kruckenberg:1968:AMA

- [KS68a] Peter Kruckenberg and Rainer Sandweg. An analog model for acetylcholine release by motor nerve endings. *Journal of Theoretical Biology*, 19(3):327–332, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901446>.

Krzywicki:1968:FAP

- [KS68b] A. Krzywicki and P. P. Slonimski. Formal analysis of protein sequences: II. Method for structural studies of homologous proteins amino acid substitutions in cytochromes c. *Journal of Theoretical Biology*, 21(3):305–330, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901185>.

Kirschbaum:1969:MMP

- [KS69] Thomas H. Kirschbaum and Norman Z. Shapiro. A mathematical model of placental oxygen transfer. *Journal of Theoretical Biology*, 25(3):380–402, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800287>.

Kustin:1965:TRS

- [KSK65] Kenneth Kustin, David Shear, and Daniel Kleitman. Theory of relaxation spectra; the kinetics of coupled chemical reactions. *Journal of Theoretical Biology*, 9(2):186–212, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901074>.

Kimelberg:1965:RHN

- [KT65] H. Kimelberg and D. J. Triggle. The reactions of 2-halogenoethylamines at the noradrenaline receptor-storage complex. *Journal of Theoretical Biology*, 9(2):313–322, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901165>.

Kruger-Thiemer:1966:FTD

- [KT66] Ekkehard Krüger-Thiemer. Formal theory of drug dosage regimens. I. *Journal of Theoretical Biology*, 13(??):212–235, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690018X>.

Kruger-Thiemer:1969:FTD

- [KT69] E. Krüger-Thiemer. Formal theory of drug dosage regimens: II. The exact plateau effect. *Journal of Theoretical Biology*, 23(2):169–190, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900356>.

Ladik:1964:PIM

- [Lad64] J. Ladik. Possible interpretation of the mutagenic effect of ultraviolet radiation. *Journal of Theoretical Biology*, 6(2):201–207, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900281>.

Lanni:1963:ASP

- [Lan63] Frank Lanni. Analysis of sequence patterns in ribonuclease. III. Variable-span pair-order analysis. *Journal of Theoretical Biology*, 4(1):1–27, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900973>.

Lauria:1965:MAS

- [Lau65] Francesco E. Lauria. Mathematical approach to the study of a cerebral cortex: I. Histological methods of calculating the coupling coefficients in the neuron equations. *Journal of Theoretical Biology*, 8(1):54–70, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900925>.

Lauria:1969:MASa

- [Lau69a] F. E. Lauria. Mathematical approach to the study of a cerebral cortex: II. The self-consistency of the model and the coupling coefficients of the neuron equations. *Journal of Theoretical Biology*, 23(1):72–86, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936990068X>.

Lauria:1969:MASb

- [Lau69b] F. E. Lauria. Mathematical approach to the study of a cerebral cortex: III. The columnar organization in the cortex and the spread of activity in the model. *Journal of Theoretical Biology*, 24(3):307–316, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936980055X>.

Lea:1963:PTL

- [Lea63] E. J. A. Lea. Permeation through long narrow pores. *Journal of Theoretical Biology*, 5(1):102–107, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900389>.

Lea:1965:PTL

- [Lea65] E. J. A. Lea. Permeation through long narrow pores — corrections. *Journal of Theoretical Biology*, 9(2):350, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901190>.

Leibovic:1966:MIP

- [Lei66] K. N. Leibovic. A model for information processing with reference to vision. *Journal of Theoretical Biology*, 11(1):112–130, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900427>.

Leibowitz:1968:FF

- [Lei68] Lila Leibowitz. Founding families. *Journal of Theoretical Biology*, 21(2):153–169, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900684>.

Leibovic:1969:SPI

- [Lei69a] K. N. Leibovic. Some problems of information processing and models of the visual pathway. *Journal of Theoretical Biology*, 22(1):62–79, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900800>.

Leibowitz:1969:DSE

- [Lei69b] Lila Leibowitz. Dilemma for social evolution: The impact of Darwin. *Journal of Theoretical Biology*, 25(2):255–275, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800639>.

Lengerova:1962:SII

- [Len62] A. Lengerová. The significance of immunological immaturity for the induction of tolerance. *Journal of Theoretical Biol-*

ogy, 3(3):503–508, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800411>

Lesk:1969:WDD

- [Les69] Arthur M. Lesk. Why does DNA contain thymine and RNA uracil? *Journal of Theoretical Biology*, 22(3):537–540, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900216>.

Levitt:1962:SDH

- [Lev62] J. Levitt. A sulfhydryl-disulfide hypothesis of frost injury and resistance in plants. *Journal of Theoretical Biology*, 3(3):355–391, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800320>.

Levins:1964:TFH

- [Lev64] Richard Levins. Theory of fitness in a heterogeneous environment: Part III. The response to selection. *Journal of Theoretical Biology*, 7(2):224–240, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900712>.

Levine:1966:MRE

- [Lev66] Sumner N. Levine. A model for renal-electrolyte regulation. *Journal of Theoretical Biology*, 11(2):242–256, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901640>.

Lewontin:1961:ETG

- [Lew61] R. C. Lewontin. Evolution and the theory of games. *Journal of Theoretical Biology*, 1(3):382–403, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900388>.

Lewis:1962:GSI

- [Lew62] D. Lewis. The generation of self-incompatibility alleles. *Journal of Theoretical Biology*, 2(1):69–71, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL <http://www.sciencedirect.com/science/article/pii/S0022519362800289>.

Lewis:1966:NPD

- [Lew66] E. R. Lewis. Neuroelectric potentials derived from an extended version of the Hodgkin–Huxley model. *Journal of Theoretical Biology*, 10(1):125–152, IN1–IN3, 153–158, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901810>.

Lewin:1967:SAH

- [Lew67] S. Lewin. Some aspects of hydration and stability of the native state of DNA. *Journal of Theoretical Biology*, 17(2):181–188, IN1–IN3, 189–212, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790166X>.

Lewin:1969:ILP

- [Lew69] S. Lewin. Ionic linkages in protein interactions. *Journal of Theoretical Biology*, 23(2):279–280, IN1–IN2, 281–284, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900423>.

Levy:1968:SMB

- [LG68] P. S. Levy and G. M. Green. A stochastic model of the bactericidal activity of the lung. *Journal of Theoretical Biology*, 21(1):103–112, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900635>.

Lindegren:1961:bfd

- [Lin61] Carl C. Lindegren. The biological function of deoxyribonucleic acid. *Journal of Theoretical Biology*, 1(2):107–119, April 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900418>.

Lindegren:1963:RHI

- [Lin63] Carl C. Lindegren. The receptor-hypothesis of induction of gene-controlled adaptive enzymes. *Journal of Theoretical Biology*, 5(2):192–210, September 1963. CODEN JTBIAP. ISSN

0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900596>.

Lindley:1967:MSB

- [Lin67] Barry D. Lindley. Membrane solvation as a basis for ionic selectivity. *Journal of Theoretical Biology*, 17(2):213–228, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901671>.

Lindenmayer:1968:MMCa

- [Lin68a] Aristid Lindenmayer. Mathematical models for cellular interactions in development I. Filaments with one-sided inputs. *Journal of Theoretical Biology*, 18(3):280–299, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900799>.

Lindenmayer:1968:MMCb

- [Lin68b] Aristid Lindenmayer. Mathematical models for cellular interactions in development II. Simple and branching filaments with two-sided inputs. *Journal of Theoretical Biology*, 18(3):300–315, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900805>.

Lindley:1968:MST

- [Lin68c] B. D. Lindley. Membrane systems as transition assemblies — a basis for phenomenological descriptions. *Journal of Theoretical Biology*, 20(1):56–64, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890091X>.

Lwoff:1962:ECM

- [LL62] André Lwoff and Marguerite Lwoff. Événements cycliques et Molécules Métastables. *Journal of Theoretical Biology*, 2(1):48–62, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800265>.

Levine:1969:KIU

- [LL69] M. Levine and S. Levine. Kinetics of induced uphill transport of sugars in human erythrocytes. *Journal of Theoretical Biology*, 24

(1):85–107, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800081>.

Longmuir:1965:TAO

- [LM65] I. S. Longmuir and M. McCabe. Tissue adaptation to oxygen lack. *Journal of Theoretical Biology*, 8(1):124–129, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900986>.

Lifson:1966:TUT

- [LM66] N. Lifson and Ruth McClintock. Theory of use of the turnover rates of body water for measuring energy and material balance. *Journal of Theoretical Biology*, 12(1):46–74, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901858>.

Latimer:1968:CTL

- [LMB68] Paul Latimer, Douglas M. Moore, and F. Dudley Bryant. Changes in total light scattering and absorption caused by changes in particle conformation. *Journal of Theoretical Biology*, 21(3):348–367, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901203>.

Lockhart:1965:AIP

- [Loc65] James A. Lockhart. An analysis of irreversible plant cell elongation. *Journal of Theoretical Biology*, 8(2):264–275, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900779>.

Loewy:1968:TCB

- [Loe68] Ariel G. Loewy. A theory of covalent bonding in muscle contraction. *Journal of Theoretical Biology*, 20(2):164–172, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901872>.

Lovtrup:1963:RWE

- [Løv63] Søren Lovtrup. On the rate of water exchange across the surface of animal cells. *Journal of Theoretical Biology*, 5(3):341–359, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900821>.

Lovrien:1969:ADE

- [Lov69] Rex Lovrien. Activation diagrams in enzyme catalysis. *Journal of Theoretical Biology*, 24(3):247–265, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800500>.

Lowenstein:1961:ROM

- [Low61] John M. Lowenstein. Reductions and oxidations in mammalian biosyntheses. *Journal of Theoretical Biology*, 1(1):98–103, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900297>.

Lowenhaupt:1969:BTM

- [Low69] B. Lowenhaupt. Bioelectrochemical throttle of metabolism. *Journal of Theoretical Biology*, 25(2):187–202, IN1–IN2, 203–207, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800585>.

Levey:1966:NTU

- [LP66] H. C. Levey and C. J. Perret. A note on the theory of uncatalysed linear expanding systems. *Journal of Theoretical Biology*, 13(?):15–17, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900038>.

Lebowitz:1969:GCD

- [LR69] J. L. Lebowitz and S. I. Rubinow. Grain count distributions in labeled cell populations. *Journal of Theoretical Biology*, 23(1):99–123, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900708>.

Lucy:1964:GLM

- [Luc64] J. A. Lucy. Globular lipid micelles and cell membranes. *Journal of Theoretical Biology*, 7(2):360–373, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900803>.

Lurie:1969:DST

- [Lur69] M. Lurie. The Darwinian selection theory of antibody formation. *Journal of Theoretical Biology*, 23(3):380–386, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900265>.

MacGillivray:1969:ASP

- [Mac69] A. D. MacGillivray. Asymptotic solution of the Poisson–Boltzmann equation for a charged sphere, and implications. *Journal of Theoretical Biology*, 23(2):205–217, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936990037X>.

Maddaiah:1969:MHS

- [Mad69] V. T. Maddaiah. A model for hormone specific activation of adenylyl cyclase. *Journal of Theoretical Biology*, 25(3):495–498, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800366>.

Maelzer:1965:DCE

- [Mae65a] D. A. Maelzer. A discussion of components of environment in ecology. *Journal of Theoretical Biology*, 8(1):141–162, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901001>.

Maelzer:1965:ESS

- [Mae65b] D. A. Maelzer. Environment, semantics, and system theory in ecology. *Journal of Theoretical Biology*, 8(3):395–402, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900184>.

Magar:1969:AAS

- [Mag69a] M. E. Magar. Analysis of aggregating systems. *Journal of Theoretical Biology*, 22(2):291–313, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900071>.

Magar:1969:DRC

- [Mag69b] Magar E. Magar. On the determination of rate constants and the number of intermediates in enzyme-catalyzed reactions. *Journal of Theoretical Biology*, 25(3):343–346, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936980024X>.

Maldonado:1963:VAL

- [Mal63] H. Maldonado. The visual attack learning system in *Octopus vulgaris*. *Journal of Theoretical Biology*, 5(3):470–488, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900900>.

Malmon:1965:HRI

- [Mal65] A. G. Malmon. High resolution isotope tracing in electron microscopy using induced nuclear reactions. *Journal of Theoretical Biology*, 9(1):77–92, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900585>.

Maniloff:1969:CLR

- [Man69a] Jack Maniloff. Collision lifetimes and recognition times for macromolecule synthesis. *Journal of Theoretical Biology*, 25(2):339–342, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800688>.

Maniloff:1969:TCB

- [Man69b] Jack Maniloff. Theoretical considerations of biopolymer synthesis. *Journal of Theoretical Biology*, 23(3):441–454, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900307>.

Marler:1961:LAA

- [Mar61] Peter Marler. The logical analysis of animal communication. *Journal of Theoretical Biology*, 1(3):295–317, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900327>.

Martin:1963:BPR

- [Mar63] H. H. Martin. Bacterial protoplasts — a review. *Journal of Theoretical Biology*, 5(1):1–16, IN1–IN4, 17–34, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900341>.

Marshall:1964:TAE

- [Mar64] John H. Marshall. Theory of alkaline earth metabolism: The power function makes possible a simple but comprehensive model of skeletal systems. *Journal of Theoretical Biology*, 6(3):386–412, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900554>.

Marshak:1967:HOT

- [Mar67] A. Marshak. The harmonic oscillator theory applied to the code translation problem. *Journal of Theoretical Biology*, 17(1):12–18, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790015X>.

Matsumoto:1968:NSR

- [Mat68] Yorimi Matsumoto. Normalization of shortening in rana pipiens sartorius muscle. *Journal of Theoretical Biology*, 18(3):387–395, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900866>.

McMullen:1963:PDH

- [McM63] A. I. McMullen. The polynucleotide double helix as a versatile assembly template during polymer biogenesis. *Journal of Theoretical Biology*, 5(1):127–134, IN5, 135–136, IN7–IN10, 137–141, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900419>.

Mel:1964:SFFa

- [Mel64a] Howard C. Mel. Stable-flow free boundary migration and fractionation of cell mixtures: I. Apparatus and hydrodynamic feedback principles. *Journal of Theoretical Biology*, 6(2):159–166, IN1, 167–180, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900268>.

Mel:1964:SFFb

- [Mel64b] Howard C. Mel. Stable-flow free boundary migration and fractionation of cell mixtures: II. Laminar flow and density gradient stability. *Journal of Theoretical Biology*, 6(2):181–188, IN3, 189–200, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936490027X>.

Mel:1964:SFFc

- [Mel64c] Howard C. Mel. Stable-flow free boundary (STAFLO) migration and fractionation of cell mixtures: III. Migration principles — sedimentation and electrophoresis. *Journal of Theoretical Biology*, 6(3):307–322, IN1, 323–324, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900505>.

MacGillivray:1969:AGC

- [MH69] A. D. MacGillivray and Daphne Hare. Applicability of Goldman's constant field assumption to biological systems. *Journal of Theoretical Biology*, 25(1):113–126, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800196>.

Morowitz:1964:PSM

- [MHMQ64] H. J. Morowitz, W. A. Higinbotham, S. W. Matthysse, and H. Quastler. Passive stability in a metabolic network. *Journal of Theoretical Biology*, 7(1):98–111, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900438>.

Milne:1962:TNC

- [Mil62] A. Milne. On a theory of natural control of insect population. *Journal of Theoretical Biology*, 3(1):19–50, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic).

URL <http://www.sciencedirect.com/science/article/pii/S0022519362800034>.

Miles:1966:MWM

- [Mil66] P. W. Miles. A modification of Wigglesworth's model for the excretion of uric acid in insects, in the light of modern hypotheses of ion transport. *Journal of Theoretical Biology*, 12(1):130–132, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901895>.

Moses:1966:SMC

- [MLH66] V. Moses and K. K. Lonberg-Holm. The study of metabolic compartmentalization. *Journal of Theoretical Biology*, 10(2):336–355, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901317>.

Macgillivray:1966:IIS

- [MM66a] A. D. Macgillivray and A. I. McMullen. On the influence of ionic strength on the melting temperature of DNA. *Journal of Theoretical Biology*, 12(2):260–265, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901172>.

MacGillivray:1966:TSR

- [MM66b] A. D. MacGillivray and A. I. McMullen. A theoretical study of the role of salt concentration in the melting of DNA. *Journal of Theoretical Biology*, 12(1):75–88, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690186X>.

MacGillivray:1968:THC

- [MM68a] A. D. MacGillivray and A. I. McMullen. Theory of helix-coil transitions based on the non-linear Poisson–Boltzmann equation. *Journal of Theoretical Biology*, 19(2):159–168, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901112>.

Moore:1968:LSC

- [MM68b] G. E. Moore and W. F. McLimans. The life span of the cultured normal cell: Concepts derived from studies of human lym-

phoblasts. *Journal of Theoretical Biology*, 20(2):217–226, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901914>.

Morowitz:1966:PBC

- [Mor66] Harold J. Morowitz. Physical background of cycles in biological systems. *Journal of Theoretical Biology*, 13(??):60–62, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900075>.

Morowitz:1969:MAF

- [Mor69] Harold J. Morowitz. A mechanism for the amplification of fluctuations in racemic mixtures. *Journal of Theoretical Biology*, 25(3):491–494, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800354>.

Miller:1963:TPM

- [MP63] D. S. Miller and P. R. Payne. A theory of protein metabolism. *Journal of Theoretical Biology*, 5(3):398–411, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900869>.

Mueller:1963:IER

- [MR63] Paul Mueller and Donald O. Rudin. Induced excitability in reconstituted cell membrane structure. *Journal of Theoretical Biology*, 4(3):268–280, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900067>.

Mueller:1968:RAP

- [MR68] Paul Mueller and Donald O. Rudin. Resting and action potentials in experimental bimolecular lipid membranes. *Journal of Theoretical Biology*, 18(2):222–224, IN1, 225–258, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890163X>.

Murakami:1966:EAM

- [Mur66] Hideo Murakami. Electron aspects of the mode of action of the mitomycin molecule. *Journal of Theoretical Biology*, 10(2):236–250, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901251>.

Myhill:1969:IED

- [Myh69] J. Myhill. Investigation of the effect of data error in the analysis of biological tracer data from three compartment systems. *Journal of Theoretical Biology*, 23(2):218–231, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936900381>.

Naora:1968:PMS

- [Nao68] Hiroto Naora. A plausible mechanism of simultaneous read-out of genetic information from both strands of DNA. *Journal of Theoretical Biology*, 19(2):183–195, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901136>.

Nash:1969:SRT

- [Nas69] H. A. Nash. The stereoisomers of retinal — a theoretical study of energy differences. *Journal of Theoretical Biology*, 22(2):314–324, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936900083>.

Nelson:1962:KES

- [Nel62] Eino Nelson. Kinetics of the excretion of sulfonamides during therapeutic dosage regimens. *Journal of Theoretical Biology*, 2(3):193–200, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900243>.

Nelson:1963:DPS

- [Nel63] Eino Nelson. Design of pharmacogenetic studies of drug metabolism. *Journal of Theoretical Biology*, 5(3):493–496, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900924>.

Nicklas:1966:NOM

- [Nic66] R. Bruce Nicklas. A note on orientation in mitosis and meiosis. *Journal of Theoretical Biology*, 12(1):147–150, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901925>.

Nagata:1965:QMS

- [NIT⁺65] C. Nagata, A. Imamura, Y. Tagashira, M. Kodama, and N. Fukuda. Quantum-mechanical study on the photodimerization of aromatic molecules. *Journal of Theoretical Biology*, 9(3):357–365, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900378>.

Nagata:1968:MMA

- [NM68] C. Nagata and O. Mårtensson. On the mechanism of mutagenic action of hydroxylamine. *Journal of Theoretical Biology*, 19(2):133–146, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901094>.

Nakahama:1966:SDB

- [NN66] Hiroshi Nakahama and Shinko Nishioka. Statistical dependency between intervals in neuronal impulse sequences. *Journal of Theoretical Biology*, 12(1):140–146, September 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901913>.

Norton:1966:ISM

- [NO66] Dorita A. Norton and Jean M. Ohrt. Introduction to steroid molecular stacking. *Journal of Theoretical Biology*, 11(1):140–149, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900440>.

Noack:1968:RMS

- [Noa68] D. Noack. A regulatory model for steady-state conditions in populations of lysogenic bacteria. *Journal of Theoretical Biology*, 18(1):1–8, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901665>.

Nobel:1969:BVH

- [Nob69] Park S. Nobel. The Boyle–Van't Hoff relation. *Journal of Theoretical Biology*, 23(3):375–379, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900253>.

Nooney:1965:MMR

- [Noo65] Grove C. Nooney. Mathematical models, reality and results. *Journal of Theoretical Biology*, 9(2):239–252, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901104>.

Nooney:1966:AET

- [Noo66] Grove C. Nooney. Allocation of errors to theory and experiment. *Journal of Theoretical Biology*, 11(1):46–53, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900373>.

Nooney:1968:ADS

- [Noo68] G. C. Nooney. Age distributions in stochastically dividing populations. *Journal of Theoretical Biology*, 20(3):314–320, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901318>.

Norton:1968:DNB

- [Nor68] Stata Norton. On the discontinuous nature of behavior. *Journal of Theoretical Biology*, 21(2):229–243, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900726>.

Naftalin:1961:ECR

- [NS61] L. Naftalin and A. Stephens. The effect of concentration and rate of intravenous injection of thiopentone. *Journal of Theoretical Biology*, 1(3):407–409, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900406>.

O'Brien:1967:CMC

- [O'B67] John S. O'Brien. Cell membranes — composition: Structure: Function. *Journal of Theoretical Biology*, 15(3):307–312, IN3, 313–324, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901403>.

Ohki:1967:IIL

- [OF67] Shinpei Ohki and Nobuo Fukuda. Interlayer-interaction for a lipid bilayer model. *Journal of Theoretical Biology*, 15(3):362–375, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901439>.

Ohki:1967:ALG

- [Ohk67] Shinpei Ohki. Application of the lattice gas theory to lipid monolayers. *Journal of Theoretical Biology*, 15(3):346–361, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901427>.

Ohki:1968:DCR

- [Ohk68] Shinpei Ohki. Dielectric constant and refractive index of lipid bilayers. *Journal of Theoretical Biology*, 19(1):97–115, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900088>.

Ohki:1969:PLB

- [Ohk69] Shinpei Ohki. Properties of lipid bilayer membranes: Determination of membrane thickness. *Journal of Theoretical Biology*, 23(1):158–168, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900733>.

O'Neill:1969:IEE

- [O'N69] Robert V. O'Neill. Indirect estimation of energy fluxes in animal food webs. *Journal of Theoretical Biology*, 22(2):284–290, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936990006X>.

Ordon:1969:PDS

- [Ord69] Richard Ordon. Polyribosome dynamics at steady state. *Journal of Theoretical Biology*, 22(3):515–532, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900186>.

Orloci:1968:IAP

- [Orl68] Laszlo Orloci. Information analysis in phytosociology: Partition, classification and prediction. *Journal of Theoretical Biology*, 20(3):271–284, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901288>.

OSullivan:1962:QPE

- [O’S62] D. G. O’Sullivan. Quantitative potentialities in enzyme cytochemistry. Modified Michaelis–Menten rate law applicable when a substrate diffuses slowly into an enzyme site. *Journal of Theoretical Biology*, 2(2):117–128, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900401>.

Ozonoff:1969:ADV

- [Ozo69] David Ozonoff. An attack on “a defense of vitalism”. *Journal of Theoretical Biology*, 24(1):121–122, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936980010X>.

Palmiter:1963:AAR

- [PA63] Michael T. Palmiter and Frederick Aladjem. The antigen-antibody reaction. IV. a quantitative theory of antigen-antibody reactions. *Journal of Theoretical Biology*, 5(2):211–235, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900602>.

Palmiter:1968:CIA

- [PA68] Michael T. Palmiter and Frederick Aladjem. On the composition of insoluble antigen-antibody complexes. *Journal of Theoretical Biology*, 18(1):34–52, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901690>.

Paigen:1962:RDT

- [Pai62] Kenneth Paigen. On the regulation of DNA transcription. *Journal of Theoretical Biology*, 3(2):268–282, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800174>.

Parsons:1964:IWB

- [Par64] P. A. Parsons. Interactions within and between chromosomes. *Journal of Theoretical Biology*, 6(2):208–216, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519364900293>.

Partridge:1966:PSN

- [Par66] Lloyd D. Partridge. A possible source of nerve signal distortion arising in pulse rate encoding of signals. *Journal of Theoretical Biology*, 11(2):257–281, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519366901652>.

Parsegian:1967:ELR

- [Par67] V. A. Parsegian. Evidence for long-range repulsion between bimolecular leaflets of lecithin: An examination of structural data. *Journal of Theoretical Biology*, 15(1):70–74, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519367900446>.

Partridge:1968:PSN

- [Par68] Lloyd D. Partridge. A possible source of nerve signal distortion arising in pulse rate encoding of signals. *Journal of Theoretical Biology*, 21(2):292, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519368900763>.

Parry:1969:ACC

- [Par69] David A. D. Parry. An alternative to the coiled-coil for α -fibrous proteins. *Journal of Theoretical Biology*, 24(1):73–84, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936980007X>.

Passow:1967:SSD

- [Pas67] H. Passow. Steady-state diffusion of non-electrolytes through epithelial brush borders. *Journal of Theoretical Biology*, 17(3):383–384, IN2, 385–398, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900999>.

Pattee:1967:QMH

- [Pat67] H. H. Pattee. Quantum mechanics, heredity and the origin of life. *Journal of Theoretical Biology*, 17(3):410–420, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901014>.

Pavlidis:1969:PIO

- [Pav69] T. Pavlidis. Populations of interacting oscillators and circadian rhythms. *Journal of Theoretical Biology*, 22(3):418–436, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900149>.

Pennycuik:1968:CMS

- [PCB68] C. J. Pennycuik, R. M. Compton, and Linda Beckingham. A computer model for simulating the growth of a population, or of two interacting populations. *Journal of Theoretical Biology*, 18(3):316–329, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900817>.

Perl:1969:IET

- [PEC69] W. Perl, R. M. Effros, and F. P. Chinard. Indicator equivalence theorem for input rates and regional masses in multi-input steady-state systems with partially labeled input. *Journal of Theoretical Biology*, 25(2):297–316, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800652>.

Pella:1969:SMP

- [Pel69] Jerome J. Pella. A stochastic model for purse seining in a two-species fishery. *Journal of Theoretical Biology*, 22(2):209–226, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900010>.

Pennycuick:1969:CMO

- [Pen69] Linda Pennycuick. A computer model of the Oxford great tit population. *Journal of Theoretical Biology*, 22(3):381–400, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900113>.

Perault:1962:SEA

- [Per62a] Anne-Marie Perault. Some electronic aspects of the mechanism of action of clostridial xanthine dehydrogenase. *Journal of Theoretical Biology*, 2(3):263–265, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900292>.

Perl:1962:HMD

- [Per62b] W. Perl. Heat and matter distribution in body tissues and the determination of tissue blood flow by local clearance methods. *Journal of Theoretical Biology*, 2(3):201–235, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900255>.

Pettersson:1964:CMT

- [Pet64] Max Pettersson. On the convenience of more thorough metric usage in the biological and allied sciences. *Journal of Theoretical Biology*, 6(2):217–243, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936490030X>.

Patton:1967:RPM

- [PF67] Stuart Patton and Frederick M. Fowkes. The role of the plasma membrane in the secretion of milk fat. *Journal of Theoretical Biology*, 15(3):274–276, IN1, 277–281, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901373>.

Patlak:1963:FSS

- [PGH63] C. S. Patlak, D. A. Goldstein, and J. F. Hoffman. The flow of solute and solvent across a two-membrane system. *Journal of Theoretical Biology*, 5(3):426–442, November 1963. CODEN JTBIAP.

ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900882>.

Perl:1966:LBF

- [PH66] W. Perl and R. L. Hirsch. Local blood flow in kidney tissue by heat clearance measurement. *Journal of Theoretical Biology*, 10(2):251–280, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901263>.

Phillips:1969:UMD

- [Phi69] A. P. Phillips. Unwinding models for double-helical DNA during its replication and transcription. *Journal of Theoretical Biology*, 24(3):273–278, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800524>.

Pickard:1966:PNI

- [Pic66] William F. Pickard. On the propagation of the nervous impulse down medullated and unmedullated fibers. *Journal of Theoretical Biology*, 11(1):30–45, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900361>.

Pielou:1966:MDD

- [Pie66a] E. C. Pielou. The measurement of diversity in different types of biological collections. *Journal of Theoretical Biology*, 13(?):131–144, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900130>.

Pielou:1966:SDP

- [Pie66b] E. C. Pielou. Species-diversity and pattern-diversity in the study of ecological succession. *Journal of Theoretical Biology*, 10(2):370–383, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901330>.

Pielou:1967:MDD

- [Pie67] E. C. Pielou. The measurement of diversity in different types of biological collections. *Journal of Theoretical Biology*, 15(1):177, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900483>.

Packard:1968:IFA

- [PK68] G. C. Packard and D. L. Kilgore. Internal fertilization: Adaptive value to early amniotes. *Journal of Theoretical Biology*, 20(2):245–248, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901938>.

Parker:1967:PDK

- [PL67] Rodger D. Parker and Thomas L. Lincoln. Parameters deducible from the kinetics of enzyme induction and repression. *Journal of Theoretical Biology*, 15(2):218–224, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367902020>.

Platt:1961:PLM

- [Pla61] John R. Platt. Properties of large molecules that go beyond the properties of their chemical sub-groups. *Journal of Theoretical Biology*, 1(3):342–358, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900364>.

Pullman:1969:CTI

- [PLB69] Bernard Pullman, Jacqueline Langlet, and Hélène Berthod. On the S-cis-S-trans isomerism of the cyclohexene ring with respect to the polyene chain in retinals, carotenoids, vitamins a and related compounds. *Journal of Theoretical Biology*, 23(3):492–495, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900344>.

Pollard:1961:PAP

- [Pol61] Ernest Pollard. Physical aspects of protein and DNA synthesis. *Journal of Theoretical Biology*, 1(3):328–341, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900352>.

Pollard:1963:CKA

- [Pol63] Ernest Pollard. Collision kinetics applied to phage synthesis, messenger RNA, and glucose metabolism. *Journal of Theoreti-*

cal Biology, 4(1):98–112, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901036>.

Pollard:1965:TSL

- [Pol65] Ernest C. Pollard. Theoretical studies on living systems in the absence of mechanical stress. *Journal of Theoretical Biology*, 8(1): 113–123, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900974>.

Pielou:1967:DDD

- [PP67] D. P. Pielou and E. C. Pielou. The detection of different degrees of coexistence. *Journal of Theoretical Biology*, 16(3):427–437, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900653>.

Pielou:1968:AAS

- [PP68] D. P. Pielou and E. C. Pielou. Association among species of infrequent occurrence: The insect and spider fauna of polyporus betulinus (bulliard) fries. *Journal of Theoretical Biology*, 21(2):202–216, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900702>.

Pollak:1966:HBS

- [PR66] Michael Pollak and Robert Rein. On the hydrogen bonding scheme between purines and pyrimidines. *Journal of Theoretical Biology*, 11(3):490–494, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901093>.

Pollak:1968:EMS

- [PR68a] M. Pollak and Robert Rein. An electrical mechanism for strand separation of DNA. *Journal of Theoretical Biology*, 19(3):333–336, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901458>.

Pollak:1968:EEC

- [PR68b] Michael Pollak and Robert Rein. An examination of the energetics of Crick's wobble hypothesis. *Journal of Theoretical Biology*, 19(3):

241–246, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901379>.

Pratt:1962:FN

- [Pra62] J. M. Pratt. The fixation of nitrogen. *Journal of Theoretical Biology*, 2(3):251–258, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900279>.

Pring:1967:SADa

- [Pri67a] M. Pring. The simulation and analysis by digital computer of biochemical systems in terms of kinetic models: I. The choice of integration method. *Journal of Theoretical Biology*, 17(3):421–429, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901026>.

Pring:1967:SADb

- [Pri67b] M. Pring. The simulation and analysis by digital computer of biochemical systems in terms of kinetic models: II. Curve-fitting procedures. *Journal of Theoretical Biology*, 17(3):430–435, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901038>.

Pring:1967:SADc

- [Pri67c] M. Pring. The simulation and analysis by digital computer of biochemical systems in terms of kinetic models: III. Generator programming. *Journal of Theoretical Biology*, 17(3):436–440, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790104X>.

Pandharipande:1968:RRK

- [PS68] K. R. Pandharipande and U. N. Singh. Ribosomal RNA: Kinetic analysis of incorporation of labelled precursors. *Journal of Theoretical Biology*, 20(3):285–296, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890129X>.

Pscheidt:1963:BCP

- [Psc63] Gordon R. Pscheidt. Biochemical correlates with phyletic division of the nervous system. *Journal of Theoretical Biology*, 5(1): 52–56, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900365>.

Pullman:1962:PCR

- [Pul62] Alberte Pullman. On the possibilities of correlating the redox potential of reversible systems to the molecular orbitals involved in the electron transfer. *Journal of Theoretical Biology*, 2(3): 259–262, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900280>.

Perault:1961:EAM

- [PVP61] A-M. Perault, C. Valdemoro, and B. Pullman. Electronic aspects of the mechanism of action of xanthine oxidase. *Journal of Theoretical Biology*, 1(2):180–189, April 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900443>.

Pavlidis:1968:MMT

- [PZO68] T. Pavlidis, W. F. Zimmerman, and J. Osborn. A mathematical model for the temperature effects on circadian rhythms. *Journal of Theoretical Biology*, 18(2):210–221, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901628>.

Quastler:1962:RPC

- [QZ62] H. Quastler and G. Zubay. An RNA-protein code based on replacement data. II. Adjustment and extension. *Journal of Theoretical Biology*, 3(3):496–502, November 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936280040X>.

Rappaport:1965:GRC

- [Rap65] R. Rappaport. Geometrical relations of the cleavage stimulus in invertebrate eggs. *Journal of Theoretical Biology*, 9(1): 51–66, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print),

1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900561>.

Rapoport:1968:ATI

- [Rap68] Stanley I. Rapoport. Active transport in isotropic and anisotropic systems: a critical analysis. *Journal of Theoretical Biology*, 19(3): 247–274, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901380>.

Rice:1963:PSD

- [RB63] William E. Rice and Robert M. Bock. The problem of sequence determination in transfer RNA. *Journal of Theoretical Biology*, 4(3): 260–267, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900055>.

Ralph:1966:RPB

- [RB66] R. K. Ralph and B. C. Baguley. Regulation of protein biosynthesis. *Journal of Theoretical Biology*, 13(??):164–186, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900154>.

Raff:1968:PRA

- [RB68a] Elizabeth C. Raff and J. J. Blum. A possible role for adenylate kinase in cilia: Concentration profiles in a geometrically constrained dual enzyme system. *Journal of Theoretical Biology*, 18(1):53–71, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901707>.

Rouslin:1968:AFA

- [RB68b] William Rouslin and Emory Braswell. Analysis of factors affecting lactic dehydrogenase subunit composition determinations. *Journal of Theoretical Biology*, 19(2):169–182, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901124>.

Rinaldi:1969:SFM

- [RB69] R. A. Rinaldi and W. R. Baker. A sliding filament model of amoeboid motion. *Journal of Theoretical Biology*, 23(3):463–

474, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900320>.

Rohlf:1969:SSM

- [RD69] F. James Rohlf and Demorest Davenport. Simulation of simple models of animal behavior with a digital computer. *Journal of Theoretical Biology*, 23(3):400–424, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900289>.

Rehm:1968:ASC

- [Reh68] W. S. Rehm. An analysis of the short-circuiting technique applied to in vivo tissues. *Journal of Theoretical Biology*, 20(3):341–354, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901343>.

Rendel:1962:RBG

- [Ren62] J. M. Rendel. The relationship between gene and phenotype. *Journal of Theoretical Biology*, 2(3):296–308, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900322>.

Ressler:1969:CCP

- [Res69] Newton Ressler. Control of cellular processes by the coupling of resonant energy to hydrogen transfer reactions I. Application to enzyme mechanisms. *Journal of Theoretical Biology*, 23(3):425–440, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900290>.

Rein:1968:IEH

- [RFCH68] Robert Rein, Nobuo Fukuda, George A. Clarke, and Frank E. Harris. Iterative extended Hückel study of nucleic acid bases. *Journal of Theoretical Biology*, 21(1):88–96, October 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900611>.

Rose:1969:OCS

- [RG69] S. Rose and P. Glow. Ontogeny of chimaerism and its sequelae. *Journal of Theoretical Biology*, 22(1):43–61, January

1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900794>.

Redwood:1969:ITM

- [RH69] W. R. Redwood and D. A. Haydon. Influence of temperature and membrane composition on the water permeability of lipid bilayers. *Journal of Theoretical Biology*, 22(1):1–8, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900757>.

Rickards:1965:ACO

- [Ric65] G. K. Rickards. An analysis of co-orientation in mitosis and meiosis. *Journal of Theoretical Biology*, 9(2):332–333, IN3, 334–349, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901189>.

Riggs:1966:QHC

- [Rig66] Douglas S. Riggs. A quantitative hypothesis concerning the action of the parathyroid hormone. *Journal of Theoretical Biology*, 12(3):364–372, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901494>.

Rinaldini:1965:AMD

- [Rin65] L. M. Rinaldini. Antigenesis and molecular differentiation. *Journal of Theoretical Biology*, 9(2):125–155, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901050>.

Robson:1967:BMR

- [RKB67] D. S. Robson, R. F. Kahrs, and J. A. Baker. Bounds on the mean recurrence time of subclinical epidemics in dairy herds. *Journal of Theoretical Biology*, 17(1):47–56, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900197>.

Rider:1968:MPC

- [RM68] K. Rider and H. J. Morowitz. The most probable covalent bond distribution in non-equilibrium systems of an atomic composi-

tion characteristic of the biosphere. *Journal of Theoretical Biology*, 21(2):278–291, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900751>.

Roberts:1965:SRP

- [Rob65] Richard B. Roberts. The synthesis of ribosomal protein. *Journal of Theoretical Biology*, 8(1):49–53, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900913>.

Robinson:1968:RIP

- [Rob68] Joseph D. Robinson. Regulating ion pumps to control cell volume. *Journal of Theoretical Biology*, 19(1):90–96, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900076>.

Rosenberg:1964:PJF

- [Ros64] Jerome L. Rosenberg. Professor James Franck. *Journal of Theoretical Biology*, 7(2):389, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900839>.

Rosen:1967:TFM

- [Ros67] Robert Rosen. Two-factor models, neural nets and biochemical automata. *Journal of Theoretical Biology*, 15(3):282–297, June 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901385>.

Rosen:1968:SCP

- [Ros68] Robert Rosen. Some comments on the physico-chemical description of biological activity. *Journal of Theoretical Biology*, 18(3):380–386, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900854>.

Roth:1963:HCP

- [Rot63] Jay S. Roth. A hypothesis concerning patterns of deoxynucleotide metabolism in tumors in relation to rate of cell proliferation. *Journal of Theoretical Biology*, 4(1):113–123, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363901048>.

Rhoads:1968:SAD

- [RP68] D. G. Rhoads and M. Pring. The simulation and analysis by digital computer of biochemical systems in terms of kinetic models IV. automatic derivation of enzymic rate laws. *Journal of Theoretical Biology*, 20(3):297–313, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901306>.

Rummel:1961:EEH

- [RPS61] W. Rummel, K. Pflieger, and E. Seifen. Experimental examination of the hypothesis of coupling between the sodium and potassium pump in erythrocytes. *Journal of Theoretical Biology*, 1(3):318–323, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900339>.

Rosado:1966:GCS

- [RR66] J. M. Campos Rosado and Alan Robertson. The genetic control of sex ratio. *Journal of Theoretical Biology*, 13(?):324–329, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900257>.

Reaney:1967:SOG

- [RR67] D. C. Reaney and R. K. Ralph. A speculation on the origin of the genetic code. *Journal of Theoretical Biology*, 15(1):41–52, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900422>.

Reaney:1968:GCE

- [RR68] D. C. Reaney and R. K. Ralph. Genetic circularity and evolution. *Journal of Theoretical Biology*, 21(2):217–228, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900714>.

Rescigno:1962:AMB

- [RS62] A. Rescigno and G. Segre. Analysis of multicompartmented biological systems. *Journal of Theoretical Biology*, 3(2):149–163,

September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800125>.

Ruckenstein:1966:RSL

- [RS66] E. Ruckenstein and Z. Simon. Regulation and synthesis in the living cell I. Kinetics of ribonucleic acid synthesis. *Journal of Theoretical Biology*, 11(2):282–298, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901664>.

Renneboog-Squilbin:1967:TCS

- [RS67] C. Renneboog-Squilbin. Theory of the chemostat — study of the conditions under which a population of micro-organisms and its mutant will coexist in the chemostat. *Journal of Theoretical Biology*, 14(1):74–101, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900951>.

Reed:1967:SBE

- [RTB67] Jon Reed, Robert Toombs, and Nils Aall Barricelli. Simulation of biological evolution and machine learning: I. Selection of self-reproducing numeric patterns by data processing machines, effects of hereditary control, mutation type and crossing. *Journal of Theoretical Biology*, 17(3):319–342, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900975>.

Rubin:1967:OCG

- [Rub67] Jerrold Rubin. Optimal classification into groups: An approach for solving the taxonomy problem. *Journal of Theoretical Biology*, 15(1):103–144, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790046X>.

Russell:1968:MMO

- [Rus68a] C. S. Russell. Mechanisms as models for oxidative phosphorylation. *Journal of Theoretical Biology*, 19(3):337–339, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890146X>.

Russell:1968:ABM

- [Rus68b] Charles D. Russell. Acid-base metabolism and the proton condition. *Journal of Theoretical Biology*, 19(2):196–214, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901148>.

Rosenberg:1963:CTU

- [RW63] T. Rosenberg and W. Wilbrandt. Carrier transport uphill. I. General. *Journal of Theoretical Biology*, 5(2):288–305, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900651>.

Strickland:1966:SAS

- [SA66] E. Hardin Strickland and Eugene Ackerman. Simulation of the action of stimulatory agents on mitochondrial respiration. *Journal of Theoretical Biology*, 10(1):114–124, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901809>.

Swanson:1966:BGO

- [SAFT66] C. H. Swanson, R. Aris, A. G. Fredrickson, and H. M. Tsuchiya. Bacterial growth as an optimal process. *Journal of Theoretical Biology*, 12(2):228–250, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901159>.

Sagan:1967:OMC

- [Sag67] Lynn Sagan. On the origin of mitosing cells. *Journal of Theoretical Biology*, 14(3):225–274, IN1–IN6, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900793>.

Saidel:1968:BCPb

- [Sai68a] G. M. Saidel. Bacterial cell populations in a continuously changing environment. *Journal of Theoretical Biology*, 21(2):292, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900775>.

Saidel:1968:BCPa

- [Sai68b] Gerald M. Saidel. Bacterial cell populations in a continuously changing environment. *Journal of Theoretical Biology*, 19(3):287–296, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901409>.

Samis:1966:CBA

- [Sam66] H. V. Samis. A concept of biological aging: The role of compensatory processes. *Journal of Theoretical Biology*, 13(??):236–250, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900191>.

Saroff:1965:SRD

- [Sar65] H. A. Saroff. The structure of ribonuclease derived from the clustering of its ionizable groups. *Journal of Theoretical Biology*, 9(2):229–238, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901098>.

Sattler:1967:PIP

- [Sat67] R. Sattler. Petal inception and the problem of pattern detection. *Journal of Theoretical Biology*, 17(1):31–39, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900173>.

Savageau:1969:BSAa

- [Sav69a] Michael A. Savageau. Biochemical systems analysis: I. Some mathematical properties of the rate law for the component enzymatic reactions. *Journal of Theoretical Biology*, 25(3):365–369, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800263>.

Savageau:1969:BSAb

- [Sav69b] Michael A. Savageau. Biochemical systems analysis: II. The steady-state solutions for an n -pool system using a power-law approximation. *Journal of Theoretical Biology*, 25(3):370–379, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800275>.

Shea:1965:NSC

- [SB65] Stephen M. Shea and Anthony F. Bartholomay. In numero studies in a cell renewal system periodically adjusted cell renewal process. *Journal of Theoretical Biology*, 9(3):389–413, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900391>.

Schwimmer:1962:TDP

- [Sch62] Sigmund Schwimmer. Theory of double pH optima of enzymes. *Journal of Theoretical Biology*, 3(1):102–110, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S002251936280006X>.

Scheuplein:1968:ART

- [Sch68] Robert J. Scheuplein. On the application of rate theory to complex multibarrier flow co-ordinates: Membrane permeability. *Journal of Theoretical Biology*, 18(1):72–89, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901719>.

Segal:1967:ECI

- [Seg67] John R. Segal. Electrical capacitance of ion-exchanger membranes. *Journal of Theoretical Biology*, 14(1):11–34, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900902>.

Segal:1969:IPB

- [Seg69] John R. Segal. The “independence principle” of biological membranes: Its misuse. *Journal of Theoretical Biology*, 24(2):159–170, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800433>.

Semenza:1967:RES

- [Sem67] G. Semenza. Rate equations of some cases of enzyme inhibition and activation — their application to sodium-activated membrane transport systems. *Journal of Theoretical Biology*, 15(1):145–176, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900471>.

Serra:1964:GCT

- [Ser64] J. A. Serra. The genetic concept of treption (and brief reference to a unifying theory of cancer). *Journal of Theoretical Biology*, 6(3): 371–374, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900530>.

Sugita:1963:FACb

- [SF63] Motoyosi Sugita and Nobuo Fukuda. Functional analysis of chemical systems in vivo using a logical circuit equivalent: III. Analysis using a digital circuit combined with an analogue computer. *Journal of Theoretical Biology*, 5(3):412–418, IN1, 419–425, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900870>.

Szent-Gyorgyi:1961:SSB

- [SG61] Albert Szent-Györgyi. The supra- and submolecular in biology. *Journal of Theoretical Biology*, 1(1):75–82, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900273>.

Stahl:1963:MA

- [SG63] Walter R. Stahl and Harry E. Goheen. Molecular algorithms. *Journal of Theoretical Biology*, 5(2):266–287, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936390064X>.

Sibatani:1964:MCD

- [SH64] A. Sibatani and S. Hiai. A model of chromosome duplication in *Escherichia coli*. *Journal of Theoretical Biology*, 7(3):393–411, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936490013X>.

Shapiro:1961:RBI

- [Sha61] Herbert Shapiro. On the relation between ionization and biological activity in some sympathomimetic amines. *Journal of Theoretical Biology*, 1(3):289–294, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900315>.

Shaffer:1965:MCM

- [Sha65] B. M. Shaffer. Mechanical control of the manufacture and resorption of cell surface in collective amoebae. *Journal of Theoretical Biology*, 8(1):27–40, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900895>.

Shea:1962:SAH

- [She62a] Stephen M. Shea. The statistical approach in histology. *Journal of Theoretical Biology*, 3(1):111–122, July 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800071>.

Sheppard:1962:SMT

- [She62b] C. W. Sheppard. Stochastic models for tracer experiments in the circulation: Parallel random walks. *Journal of Theoretical Biology*, 2(1):33–47, January 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800253>

Shear:1967:ABH

- [She67] David Shear. An analog of the Boltzmann h-theorem (a Liapunov function) for systems of coupled chemical reactions. *Journal of Theoretical Biology*, 16(2):212–228, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900057>.

Shikata:1963:RCS

- [Shi63] Morikazu Shikata. Representation and calculation of selfed population by group ring. *Journal of Theoretical Biology*, 5(1):142–160, July 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900420>.

Shikata:1964:IEC

- [Shi64] Morikazu Shikata. Interference effect of cross-overs in selfed populations. *Journal of Theoretical Biology*, 7(2):181–223, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900700>.

Shikata:1966:CIC

- [Shi66a] Morikazu Shikata. Calculations of inbreeding coefficient and gene-set probability in diploid populations. *Journal of Theoretical Biology*, 10(1):15–27, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901767>.

Shikata:1966:CEH

- [Shi66b] Morikazu Shikata. Cross-over effect in homozygosity by descent. *Journal of Theoretical Biology*, 10(2):196–208, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901238>.

Shikata:1966:RRC

- [Shi66c] Morikazu Shikata. Rod and ring chromosome cross-overs described by braid group. *Journal of Theoretical Biology*, 10(2):184–195, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901226>.

Shikata:1966:TGI

- [Shi66d] Morikazu Shikata. Transformation of generalized inbreeding coefficient in components of pedigree. *Journal of Theoretical Biology*, 10(1):11–14, January 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901755>.

Shikata:1967:CIC

- [Shi67a] Morikazu Shikata. Change of inbreeding coefficient in mixed selfing and random mating populations. *Journal of Theoretical Biology*, 17(2):229–239, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901683>.

Shikata:1967:ESU

- [Shi67b] Morikazu Shikata. Effect of selections upon recombination probabilities in selfed populations. *Journal of Theoretical Biology*, 14(1):59–65, January 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900938>.

Shikata:1967:GIC

- [Shi67c] Morikazu Shikata. Generalized inbreeding coefficient in seifing obtained from group king. *Journal of Theoretical Biology*, 17(3):447–450, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901063>.

Shikata:1967:VHD

- [Shi67d] Morikazu Shikata. Variance of homozygosity by descent in selfed populations. *Journal of Theoretical Biology*, 17(2):240–245, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901695>.

Shikata:1969:TMIa

- [Shi69a] Morikazu Shikata. Transformation of mictic index through a diploid individual. *Journal of Theoretical Biology*, 24(2):131–136, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800408>.

Shikata:1969:TMIb

- [Shi69b] Morikazu Shikata. Transformation of mictic indices in components of pedigree. *Journal of Theoretical Biology*, 24(3):279–293, September 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800536>.

Sibatani:1964:MDS

- [Sib64] Atuhiro Sibatani. The mechanism of DNA synthesis by DNA polymerase. *Journal of Theoretical Biology*, 7(3):558–561, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900219>.

Siegel:1969:TAT

- [Sie69] Israel Siegel. Theoretical aspects of termination of immune tolerance by cross-reacting antigens. *Journal of Theoretical Biology*, 24(2):171–191, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800445>

Simon:1965:LMH

- [Sim65a] Z. Simon. Lethal mutation hypothesis for the mechanism of action of the cytostatic alkylating agents. *Journal of Theoretical Biology*, 8(1):193–197, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901025>.

Simon:1965:RBB

- [Sim65b] Z. Simon. Recognition between biological molecules. *Journal of Theoretical Biology*, 9(3):414–421, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900408>.

Simon:1965:MSS

- [Sim65c] Zeno Simon. Multi-steady-state model for cell differentiation. *Journal of Theoretical Biology*, 8(2):258–263, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900767>.

Simon:1967:RSP

- [Sim67] Z. Simon. Regulation and synthesis processes in the living cell IV. mitotic and functional homeostasis by competition between derepressed operons. *Journal of Theoretical Biology*, 16(2):294–305, August 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900100>.

Singh:1965:RTR

- [Sin65] U. N. Singh. Rapidly turning over RNA as a limiting factor in protein synthesis: Effect of actinomycin D. *Journal of Theoretical Biology*, 8(3):480–489, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900238>.

Sink:1967:TAS

- [Sin67] J. D. Sink. Theoretical aspects of sex odor in swine. *Journal of Theoretical Biology*, 17(1):174–180, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900276>.

Singh:1969:PUM

- [Sin69] U. N. Singh. Polyribosomes and unstable messenger RNA: a stochastic model of protein synthesis. *Journal of Theoretical Biology*, 25(3):444–460, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800329>.

Shea:1969:VTA

- [SKB69] Stephen M. Shea, Morris J. Karnovsky, and William H. Bossert. Vesicular transport across endothelium: Simulation of a diffusion model. *Journal of Theoretical Biology*, 24(1):30–32, IN1, 33–42, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800044>.

Smith:1966:AAC

- [Smi66] Malcolm H. Smith. The amino acid composition of proteins. *Journal of Theoretical Biology*, 13(??):261–282, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690021X>.

Smith:1967:CTH

- [Smi67] C. Lavett Smith. Contribution to a theory of hermaphroditism. *Journal of Theoretical Biology*, 17(1):76–90, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519367900215>.

Snell:1965:FTO

- [Sne65] Fred M. Snell. Facilitated transport of oxygen through solutions of hemoglobin. *Journal of Theoretical Biology*, 8(3):469–479, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519365900226>.

Sneath:1966:RBC

- [Sne66] P. H. A. Sneath. Relations between chemical structure and biological activity in peptides. *Journal of Theoretical Biology*, 12(2):157–195, November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519366901123>.

Sokal:1962:TET

- [Sok62] Robert R. Sokal. Typology and empiricism in taxonomy. *Journal of Theoretical Biology*, 3(2):230–267, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800162>.

Soloway:1966:AHN

- [Sol66a] A. H. Soloway. Aromatic hydroxylation — a new biosynthetic mechanism. *Journal of Theoretical Biology*, 13(??):100–105, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900117>.

Soloway:1966:SLP

- [Sol66b] A. H. Soloway. Squalene to lanosterol-possible biosynthetic pathway. *Journal of Theoretical Biology*, 13(??):429–432, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900300>.

Savage:1966:SDP

- [SP66] John R. K. Savage and D. G. Papworth. The site distribution parameter for radiation induced chromosome exchanges. *Journal of Theoretical Biology*, 11(1):1–9, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900336>.

Savage:1969:DHA

- [SP69] J. R. K. Savage and D. G. Papworth. Distortion hypothesis: An alternative to a limited number of sites for radiation-induced chromosome exchange. *Journal of Theoretical Biology*, 22(3):493–514, March 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900174>.

Spetner:1964:NSI

- [Spe64] L. M. Spetner. Natural selection: An information-transmission mechanism for evolution. *Journal of Theoretical Biology*, 7(3):412–429, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900141>.

Spencer:1967:BVH

- [Spe67] Richard P. Spencer. A blood volume heart weight relationship. *Journal of Theoretical Biology*, 17(3):441–446, December 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901051>.

Sprent:1967:EMG

- [Spr67] P. Sprent. Estimation of mean growth curves for groups of organisms. *Journal of Theoretical Biology*, 17(1):159–173, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900264>.

Simon:1966:RSPa

- [SR66a] Z. Simon and E. Ruckenstein. Regulation and synthesis processes in the living cell II. Kinetics of protein synthesis. *Journal of Theoretical Biology*, 11(2):299–313, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901676>.

Simon:1966:RSPb

- [SR66b] Z. Simon and E. Ruckenstein. Regulation and synthesis processes in the living cell III. Interrelated operon triggers as elements of the cellular automaton. *Journal of Theoretical Biology*, 11(2):314–333, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901688>.

Satir:1964:MNS

- [SS64] P. Satir and B. Satir. A model for ninefold symmetry in α keratin and cilia. *Journal of Theoretical Biology*, 7(1):123–124, IN1, 125–128, July 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900451>.

Snell:1966:ORR

- [SS66] Fred M. Snell and Barry Stein. Onsager reciprocal relations in complex membranes. *Journal of Theoretical Biology*, 10(2):177–183, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901214>.

Spangler:1967:TFAb

- [SS67a] Robert A. Spangler and Fred M. Snell. Transfer function analysis of an oscillatory model chemical system. *Journal of Theoretical Biology*, 16(3):381–405, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790063X>.

Spangler:1967:TFAa

- [SS67b] Robert A. Spangler and Fred M. Snell. Transfer function analysis of chemical kinetic systems. *Journal of Theoretical Biology*, 16(3):366–380, September 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900628>.

Sendov:1968:CSR

- [ST68] Bl. Sendov and R. Tsanev. Computer simulation of the regenerative processes in the liver. *Journal of Theoretical Biology*, 18(1):90–104, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901720>.

Stahl:1965:AUP

- [Sta65] Walter R. Stahl. Algorithmically unsolvable problems for a cell automaton. *Journal of Theoretical Biology*, 8(3):371–394, May 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900172>.

Stanley:1966:MTG

- [Sta66] John Stanley. A mathematical theory of the growth of populations of the flour beetle *Tribolium confusum*, Duval IX. The persistence of tunnels in the flour mass. *Journal of Theoretical Biology*, 13(??):379–411, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900282>.

Stahl:1967:CMC

- [Sta67] Walter R. Stahl. A computer model of cellular self-reproduction. *Journal of Theoretical Biology*, 14(2):187–205, February 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901130>.

Stern:1964:QPB

- [Ste64] Alexander W. Stern. Quantum physics and biological systems. *Journal of Theoretical Biology*, 7(2):318–328, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936490075X>.

Stewart:1968:MAE

- [Ste68] Robert M. Stewart. Model analysis of electrical conduction through morphologically complex cells and cell masses. *Journal of Theoretical Biology*, 19(3):311–318, IN1, 319, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901422>.

Stibitz:1968:MCP

- [Sti68] George R. Stibitz. A model and computer program for biological networks. *Journal of Theoretical Biology*, 19(1):116–132, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890009X>.

Stonehill:1965:MDR

- [Sto65] E. H. Stonehill. On the mechanism of DNA replication. *Journal of Theoretical Biology*, 9(2):323–328, IN1, 329–331, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901177>.

Strauss:1962:SAM

- [Str62] Bernard S. Strauss. Some aspects of mutation. *Journal of Theoretical Biology*, 2(3):266–278, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900309>.

Straile:1969:VCO

- [Str69] William E. Straile. Vertical cutaneous organization. *Journal of Theoretical Biology*, 24(2):203–204, IN1–IN3, 205–215, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800469>.

Sheppard:1969:SMT

- [SU69] C. W. Sheppard and M. B. Uffer. Stochastic models for tracer experiments in the circulation: II. Serial random walks. *Journal of Theoretical Biology*, 22(1):188–207, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900873>.

Subirana:1968:RSM

- [Sub68] Juan A. Subirana. Role of spindle microtubules in mitosis. *Journal of Theoretical Biology*, 20(1):117–123, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900970>.

Sugita:1963:FACa

- [Sug63] Motoyosi Sugita. Functional analysis of chemical systems in vivo using a logical circuit equivalent. II. The idea of a molecular automaton. *Journal of Theoretical Biology*, 4(2):179–184, IN2, 185–192, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900274>.

Sugita:1966:FAC

- [Sug66] Motoyosi Sugita. Functional analysis of chemical systems in vivo using a logical circuit equivalent IV. simulation of cellular control systems using a hybrid computing system. *Journal of Theoretical Biology*, 13(??):330–356, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900269>.

Smith:1966:CBQ

- [SW66] H. J. Smith and H. Williams. A comment on the binding of quaternary ammonium inhibitors at the anionic site of acetylcholinesterase. *Journal of Theoretical Biology*, 11(1):177–179, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900488>.

Smith:1967:PTA

- [SW67] H. J. Smith and H. Williams. A partition theory for the action of quaternary ammonium compounds at the muscarinic receptor site. *Journal of Theoretical Biology*, 14(2):218–224, Febru-

ary 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901154>.

Swade:1969:CRF

- [Swa69] Richard H. Swade. Circadian rhythms in fluctuating light cycles: Toward a new model of entrainment. *Journal of Theoretical Biology*, 24(2):227–239, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800482>.

Sykes:1966:MRR

- [Syk66] J. Sykes. A mechanism for the regulation of ribosomal ribonucleic acid synthesis in bacteria. *Journal of Theoretical Biology*, 12(3):373–384, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901500>.

Simha:1962:SDN

- [SZ62] R. Simha and J. M. Zimmerman. Sequence distribution and neighbor effects of various orders in polynucleotides. *Journal of Theoretical Biology*, 2(2):87–104, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900383>.

Simha:1965:CCD

- [SZ65] R. Simha and J. M. Zimmerman. Calculation of chainlength distribution between “markers” in mixed polynucleotides. *Journal of Theoretical Biology*, 8(1):81–86, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900949>.

Taborsky:1967:APT

- [Tab67] Robert G. Taborsky. Atherosclerosis: a physical-thermodynamic hypothesis for its genesis. *Journal of Theoretical Biology*, 16(1):147–150, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900586>.

Takahashi:1966:TBC

- [Tak66] Manabu Takahashi. Theoretical basis for cell cycle analysis I. Labelled mitosis wave method. *Journal of Theoretical Biol-*

ogy, 13(??):202–211, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900178>.

Takahashi:1968:TBC

- [Tak68] Manabu Takahashi. Theoretical basis for cell cycle analysis: II. Further studies on labelled mitosis wave method. *Journal of Theoretical Biology*, 18(2):195–209, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901616>.

Trams:1966:MLS

- [TB66] Eberhard G. Trams and Elise Ann Brown. Models for lipoprotein synthesis. *Journal of Theoretical Biology*, 12(3):311–326, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901457>.

Trucco:1968:PLM

- [TB68] E. Trucco and P. J. Brockwell. Percentage labeled mitoses curves in exponentially growing cell populations. *Journal of Theoretical Biology*, 20(3):321–337, September 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936890132X>.

Terzi:1965:RGC

- [Ter65] Mario Terzi. Radiosensitivity and genetic complexity. *Journal of Theoretical Biology*, 8(2):233–243, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900743>.

Thoma:1968:PMA

- [Tho68] John A. Thoma. A possible mechanism for amylase catalysis. *Journal of Theoretical Biology*, 19(3):297–310, June 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901410>.

Takahashi:1967:CCR

- [TI67] Manabu Takahashi and Kazuo Inouye. Characteristics of cube root growth of transplantable tumours. *Journal of Theoretical Biology*, 14(3):275–283, March 1967. CODEN JTBIAP. ISSN

0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936790080X>.

Tien:1967:BLM

- [Tie67] H. T. Tien. Black lipid membranes: Thickness determination and molecular organization by optical methods. *Journal of Theoretical Biology*, 16(1):97–110, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900550>.

Tallis:1966:SAS

- [TL66] G. M. Tallis and Morley Leyton. A stochastic approach to the study of parasite populations. *Journal of Theoretical Biology*, 13(??):251–260, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900208>.

Tenforde:1968:MDF

- [TM68] Tom Tenforde and Robert Macey. Membrane diffusion with feedback regulation of cell volume; estimation of membrane tortuosity and diffusion coefficients. *Journal of Theoretical Biology*, 19(2):232–240, May 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901161>.

Tollin:1962:PPP

- [Tol62] Gordon Tollin. The primary process of photosynthesis: an interpretation of the Emerson effect and of the light-induced spectral changes at 7,000 Å. *Journal of Theoretical Biology*, 2(2):105–116, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900395>.

Tolansky:1963:IBM

- [Tol63] S. Tolansky. Interferometry and biological microtopography. *Journal of Theoretical Biology*, 5(2):306–312, IN1–IN14, 313–320, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900663>.

Tomita:1966:MCR

- [Tom66a] Tadao Tomita. Membrane capacity and resistance of mammalian smooth muscle. *Journal of Theoretical Biology*, 12(2):216–227,

November 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901147>.

Tomlinson:1966:AHP

- [Tom66b] J. Tomlinson. The advantages of hermaphroditism and parthenogenesis. *Journal of Theoretical Biology*, 11(1):54–58, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900385>.

Talmage:1963:ARM

- [TP63] David W. Talmage and David S. Pearlman. The antibody response: a model based on antagonistic actions of antigen. *Journal of Theoretical Biology*, 5(2):321–339, September 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900675>.

Thiebaut:1967:SSP

- [TP67] H. Jean Thiebaut and H. H. Pattee. Statistical studies of protein sequences: Pair and triplet analysis in helical conformations. *Journal of Theoretical Biology*, 17(1):121–135, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900240>.

TenBosch:1963:RET

- [TR63] J. J. Ten Bosch and Th. W. Ruijgrok. A remark on the energy transfer in biological systems. *Journal of Theoretical Biology*, 4(2):225–227, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900316>.

TenHoopen:1965:FCP

- [TR65] M. Ten Hoopen and H. A. Reuver. An n -fold coincidence problem in physiology. *Journal of Theoretical Biology*, 9(1):117–123, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900603>.

Triggle:1964:RMS

- [Tri64] D. J. Triggle. The reaction mechanisms, selectivity and specificity of action of 2-halogenoethylamines — an analysis. *Journal of The-*

oretical Biology, 7(2):241–275, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900724>.

Triggle:1969:CGF

- [Tri69] D. J. Triggle. A comment on “a generalized functional role for phospholipids”. *Journal of Theoretical Biology*, 25(3):499–501, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800378>.

Trucco:1967:CFN

- [Tru67] E. Trucco. Collection functions for non-equivariant cell populations. *Journal of Theoretical Biology*, 15(2):180–189, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901993>.

Tsanev:1966:MRM

- [TS66] R. Tsanev and Bl. Sendov. A model of the regulatory mechanism of cellular multiplication. *Journal of Theoretical Biology*, 12(3):327–341, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901469>.

Tsanev:1969:MCS

- [TS69] R. Tsanev and Bl. Sendov. A model of cancer studied by a computer. *Journal of Theoretical Biology*, 23(1):124–134, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936990071X>.

Tyler:1966:MIP

- [Tyl66] Albert Tyler. A model illustrating possible instability of cellular structure under conditions of weightlessness. *Journal of Theoretical Biology*, 11(1):59–62, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900397>.

Urry:1965:BEta

- [UE65a] Dan W. Urry and Henry Eyring. Biological electron transport: I. Imidazole pump model of electron transport: a group transfer model. *Journal of Theoretical Biology*, 8(1):198–213, Jan-

uary 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901037>.

Urry:1965:BETb

- [UE65b] Dan W. Urry and Henry Eyring. Biological electron transport: II. A variation of the imidazole pump model to include coupling. *Journal of Theoretical Biology*, 8(1):214–220, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901049>.

Ullrick:1967:TCS

- [Ull67] William C. Ullrick. A theory of contraction for striated muscle. *Journal of Theoretical Biology*, 15(1):53–69, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900434>.

Urbakh:1968:RDR

- [Urb68] V. Yu Urbakh. Reversible denaturation of RNA and memory. *Journal of Theoretical Biology*, 18(2):259–261, February 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901641>.

Vaidhyanathan:1964:PET

- [Vai64] V. S. Vaidhyanathan. On the permeability of electrolytes through biological membranes. *Journal of Theoretical Biology*, 7(2):334–338, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900773>.

Vaidhyanathan:1965:CAT

- [Vai65a] V. S. Vaidhyanathan. On the criteria of active transport. *Journal of Theoretical Biology*, 9(3):489–501, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900469>.

Vaidhyanathan:1965:SMT

- [Vai65b] V. S. Vaidhyanathan. Statistical mechanical theory of electrolyte diffusion inside a charged membrane. *Journal of Theoretical Biology*, 8(2):344–356, March 1965. CODEN JTBIAP.

ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900822>.

Vaidhyanathan:1965:STT

- [Vai65c] V. S. Vaidhyanathan. Statistical theory of transport of electrolytes across a charged membrane. *Journal of Theoretical Biology*, 9(3):478–488, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900457>.

Vaidhyanathan:1966:SCS

- [Vai66a] V. S. Vaidhyanathan. Some comments on steady state transport of ions across a charged biological membrane. *Journal of Theoretical Biology*, 10(2):159–176, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901202>.

Vaidhyanathan:1966:TME

- [Vai66b] V. S. Vaidhyanathan. Theory of mechano-electric membrane transducers. *Journal of Theoretical Biology*, 13(??):18–31, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690004X>.

Vaidhyanathan:1969:CFE

- [Vai69] V. S. Vaidhyanathan. Conductance function of electrolyte transport across lipid films. *Journal of Theoretical Biology*, 23(2):232–250, May 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900393>.

VanLiew:1967:GAA

- [Van67] Hugh D. Van Liew. Graphic analysis of aggregates of linear and exponential processes. *Journal of Theoretical Biology*, 16(1):43–53, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900525>.

Vayo:1965:DEP

- [Vay65] H. Westcott Vayo. Determination of the electrical parameters of vertebrate visceral smooth muscle. *Journal of Theoretical Biology*, 9(2):263–277, September 1965. CODEN JTBIAP. ISSN

0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901128>.

vanderSteen:1969:CVP

- [vdS69] W. J. van der Steen. A comment on vitalistic principles. *Journal of Theoretical Biology*, 24(1):123–125, July 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800111>.

Vaidhyanathan:1968:SLF

- [VG68] V. S. Vaidhyanathan and Narendra S. Goel. Stability of lipid films in aqueous electrolyte media: Electrostatic interactions. *Journal of Theoretical Biology*, 21(3):331–347, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901197>.

Vidaver:1966:IPF

- [Vid66] George A. Vidaver. Inhibition of parallel flux and augmentation of counter flux shown by transport models not involving a mobile carrier. *Journal of Theoretical Biology*, 10(2):301–306, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901287>.

Vogel:1969:SDS

- [VNM69] H. Vogel, H. Niewisch, and G. Matioli. Stochastic development of stem cells. *Journal of Theoretical Biology*, 22(2):249–270, February 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900046>.

vanOss:1963:AAP

- [vO63] C. J. van Oss. Antigen-antibody precipitates considered as specifically impermeable barriers. *Journal of Theoretical Biology*, 4(2):223–224, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900304>.

Vaidhyanathan:1964:PNE

- [VP64] V. S. Vaidhyanathan and W. H. Perkins. On the permeability of non-electrolytes through biological membranes. *Journal of Theo-*

retical Biology, 7(2):329–333, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900761>.

Veillard:1965:ASE

- [VP65a] Alain Veillard and Bernard Pullman. Aspects de la structure électronique de la vitamine B₁₂ et de ses analogues. *Journal of Theoretical Biology*, 8(2):307–316, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900792>.

Veillard:1965:CSE

- [VP65b] Alain Veillard and Bernard Pullman. Compléments sur la structure électronique des ferroporphyrines biologiques. *Journal of Theoretical Biology*, 8(2):317–326, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900809>.

Vaidhyanathan:1966:MII

- [VP66a] V. S. Vaidhyanathan and Hannah M. Phillips. Mobile ion interactions in the membrane phase. *Journal of Theoretical Biology*, 13(??):32–47, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900051>.

Vaidhyanathan:1966:MTN

- [VP66b] V. S. Vaidhyanathan and Hannah M. Phillips. Molecular theory of nerve potentials. *Journal of Theoretical Biology*, 10(3):460–489, April 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690138X>.

Vaidhyanathan:1964:TTA

- [VPT64] V. S. Vaidhyanathan, W. H. Perkins, and E. J. Towbin. Theory of transport across a membrane model. *Journal of Theoretical Biology*, 7(2):339–351, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900785>.

Vander:1961:TMA

- [VWM61] Arthur J. Vander, Walter S. Wilde, and Richard L. Malvin. A theoretical mode of action of aldosterone. *Journal of Theoretical Biology*, 1(2):236–243, April 1961. CODEN JTBIAP. ISSN

0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900479>.

Wong:1965:CHA

- [WA65] James Wong and Frederick Aladjem. Competitive hapten-antibody binding: Solution of the binding equation. *Journal of Theoretical Biology*, 8(1):41–48, January 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900901>.

Waddington:1965:ACP

- [Wad65] C. H. Waddington. Autogenous cellular periodicities as (a) temporal templates and (b) the basis of “morphogenetic fields”. *Journal of Theoretical Biology*, 8(2):367–369, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900846>.

Wagner:1968:KPR

- [Wag68] J. G. Wagner. Kinetics of pharmacologic response I. Proposed relationships between response and drug concentration in the intact animal and man. *Journal of Theoretical Biology*, 20(2):173–201, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901884>.

Wallace:1965:RHI

- [Wal65] Margaret E. Wallace. The relative homozygosity of inbred lines and closed colonies. *Journal of Theoretical Biology*, 9(1):93–116, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900597>.

Walser:1966:MARb

- [Wal66a] Mackenzie Walser. Mathematical aspects of renal function: Reabsorption of individual solutes as interdependent processes. *Journal of Theoretical Biology*, 10(2):327–335, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901305>.

Walser:1966:MARa

- [Wal66b] Mackenzie Walser. Mathematical aspects of renal function: The dependence of solute reabsorption on water reabsorption, and the

mechanism of osmotic natriuresis. *Journal of Theoretical Biology*, 10(2):307–326, February 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901299>.

Walter:1966:QSS

[Wal66c] Charles Walter. Quasi-steady state in a general enzyme system. *Journal of Theoretical Biology*, 11(2):181–206, July 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901603>.

Walter:1967:PUS

[Wal67] Charles Walter. The practicality of the use of the steady-state assumption and the inflection point method in enzyme kinetics. *Journal of Theoretical Biology*, 15(1):1–33, April 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900409>.

Walter:1969:ASC

[Wal69a] Charles Walter. The absolute stability of certain types of controlled biological systems. *Journal of Theoretical Biology*, 23(1):39–52, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900666>.

Walter:1969:SCB

[Wal69b] Charles Walter. Stability of controlled biological systems. *Journal of Theoretical Biology*, 23(1):23–38, April 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900654>.

Wang:1963:CRA

[Wan63] Jui H. Wang. Chemical reaction accelerated transport of molecules through membranes. *Journal of Theoretical Biology*, 4(2):175–178, March 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900262>.

Warner:1964:MMI

[War64] Donald T. Warner. Molecular models: IV. a suggested conformation for the protein subunit of tobacco mosaic virus. *Jour-*

Journal of Theoretical Biology, 6(1):118–136, January 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900682>.

Warburton:1967:MNS

- [War67a] Frederick E. Warburton. A model of natural selection based on a theory of guessing games. *Journal of Theoretical Biology*, 16(1):78–96, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900549>.

Ware:1967:SBC

- [War67b] G. C. Ware. The simulation of bacterial cultures on a digital computer. *Journal of Theoretical Biology*, 17(1):91–107, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900227>.

Watkins:1965:PRG

- [Wat65] J. C. Watkins. Pharmacological receptors and general permeability phenomena of cell membranes. *Journal of Theoretical Biology*, 9(1):37–50, July 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936590055X>.

Waddington:1969:CSM

- [WC69] C. H. Waddington and Russell J. Cowe. Computer simulation of a molluscan pigmentation pattern. *Journal of Theoretical Biology*, 25(2):219–220, IN3–IN4, 221–225, November 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800603>.

Weiss:1962:CMC

- [Wei62] Leonard Weiss. Cell movement and cell surfaces: a working hypothesis. *Journal of Theoretical Biology*, 2(3):236–250, May 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900267>.

Weiss:1963:CU

- [Wei63] Paul Weiss. The cell as unit. *Journal of Theoretical Biology*, 5(3):389–397, November 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900857>.

Weiss:1964:CLP

- [Wei64] Leonard Weiss. Cellular locomotive pressure in relation to initial cell contacts. *Journal of Theoretical Biology*, 6(2):275–281, March 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900335>.

Weiss:1968:SCD

- [Wei68] Leonard Weiss. Studies on cell deformability: V. Some effects of ribonuclease. *Journal of Theoretical Biology*, 18(1):9–18, January 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901677>.

Wenner:1961:DLH

- [Wen61] Adrian M. Wenner. Division of labor in a honey bee colony — a Markov process? *Journal of Theoretical Biology*, 1(3):324–327, July 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900340>.

Werman:1965:SMP

- [Wer65] R. Werman. The specificity of molecular processes involved in neural transmission. *Journal of Theoretical Biology*, 9(3):471–477, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900445>.

Wever:1966:DRE

- [Wev66] R. Wever. The duration of re-entrainment of circadian rhythms after phase shifts of the zeitgeber a theoretical investigation. *Journal of Theoretical Biology*, 13(?):187–201, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900166>.

Woolf:1966:LRT

- [WGP66] L. I. Woolf, B. L. Goodwin, and C. E. Phelps. T_m -limited renal tubular reabsorption and the genetics of renal glucosuria. *Journal of Theoretical Biology*, 11(1):10–21, May 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900348>.

Whitehead:1965:TQS

- [Whi65] E. P. Whitehead. A theory of the quaternary structure of dehydrogenases, dehydrogenating complexes, and other proteins. *Journal of Theoretical Biology*, 8(2):276–306, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900780>.

Whyte:1967:DAO

- [Why67] Lancelot Law Whyte. Directive agencies in organic evolution. *Journal of Theoretical Biology*, 17(2):312–314, November 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367901749>.

Williams:1961:PFC

- [Wil61a] R. J. P. Williams. Possible functions of chains of catalysts. *Journal of Theoretical Biology*, 1(1):1–17, January 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900236>.

Willmer:1961:HCV

- [Wil61b] E. N. Willmer. Human colour vision and the perception of blue. *Journal of Theoretical Biology*, 1(2):141–179, April 1961. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900431>.

Williams:1962:PFC

- [Wil62] R. J. P. Williams. Possible functions of chains of catalysts II. *Journal of Theoretical Biology*, 3(2):209–229, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800150>.

Wilkins:1964:TPM

- [Wil64] B. R. Wilkins. A theory of position memory. *Journal of Theoretical Biology*, 7(2):374–387, September 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900815>.

Wilson:1966:CSM

- [Wil66] Theodore A. Wilson. Capillary spacing for minimum entropy production. *Journal of Theoretical Biology*, 11(3):436–445, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366901032>.

Williams:1967:MCG

- [Wil67] F. M. Williams. A model of cell growth dynamics. *Journal of Theoretical Biology*, 15(2):190–207, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367902007>.

Williams:1969:TME

- [Wil69] Richard B. Williams. A table of mean effective temperatures for the metabolism of biological systems subjected to sinusoidal cycles in temperature. *Journal of Theoretical Biology*, 24(2):240–245, August 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800494>.

Winkler:1963:SSA

- [Win63] Marvin H. Winkler. On the structure of a specific antibody site. *Journal of Theoretical Biology*, 4(3):237–241, May 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936390002X>.

Winfree:1967:BRB

- [Win67] Arthur T. Winfree. Biological rhythms and the behavior of populations of coupled oscillators. *Journal of Theoretical Biology*, 16(1):15–42, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900513>.

Winne:1967:FKR

- [WO67] D. Winne and H. Ochsenfahrt. Die formale kinetik der resorption unter berucksichtigung der darmdurchblutung. (German) [Formal kinetics of absorption taking into account digestive circulation]. *Journal of Theoretical Biology*, 14(3):293–315, March 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900823>.

Wilkins:1962:FSLa

- [WOB62a] D. J. Wilkins, R. H. Ottewill, and A. D. Bangham. On the flocculation of sheep leucocytes: I. Electrophoretic studies. *Journal of Theoretical Biology*, 2(2):165–175, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900450>.

Wilkins:1962:FSLb

- [WOB62b] D. J. Wilkins, R. H. Ottewill, and A. D. Bangham. On the flocculation of sheep leucocytes: II. Stability studies. *Journal of Theoretical Biology*, 2(2):176–191, March 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519362900462>.

Wobschall:1968:EMN

- [Wob68] D. Wobschall. An electret model of the nerve membrane. *Journal of Theoretical Biology*, 21(3):439–448, December 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901264>.

Wolff:1962:KTB

- [Wol62a] Sheldon Wolff. The kinetics for two-break chromosome exchanges. *Journal of Theoretical Biology*, 3(2):304–314, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800198>.

Wolken:1962:PST

- [Wol62b] Jerome J. Wolken. Photoreceptor structures: + their molecular organization for energy transfer. *Journal of Theoretical Biology*, 3(2):192–194, IN2, 195–204, IN4, 205–208, September 1962. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519362800149>.

Wolpert:1969:PIS

- [Wol69] L. Wolpert. Positional information and the spatial pattern of cellular differentiation. *Journal of Theoretical Biology*, 25(1):1–47, October 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800160>.

Willard:1963:EPM

- [WP63] A. Willard and B. Pullman. Etude par la méthode du champ moléculaire self-consistant de la structure électronique des bases puriques et pyrimidiques d'intérêt biochimique. *Journal of Theoretical Biology*, 4(1):37–51, January 1963. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519363900997>.

Walter:1967:MBL

- [WPY67] Charles Walter, Rodger Parker, and Martynas Ycas. A model for binary logic in biochemical systems. *Journal of Theoretical Biology*, 15(2):208–217, May 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367902019>.

Wu:1964:NGM

- [Wu64] Tai Te Wu. A note on genetic mapping. *Journal of Theoretical Biology*, 7(3):430–434, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900153>.

Wu:1967:RFP

- [Wu67] T. T. Wu. Recombination frequencies of proximal markers in bacterial conjugation. *Journal of Theoretical Biology*, 17(1):40–46, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900185>.

Wuenscher:1969:NSC

- [Wue69] James E. Wuenscher. Niche specification and competition modeling. *Journal of Theoretical Biology*, 25(3):436–443, December 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/S0022519369800317>.

Wacker:1968:MCB

- [WW68a] W. E. C. Wacker and R. J. P. Williams. Magnesium/calcium balances and steady states of biological systems. *Journal of Theoretical Biology*, 20(1):65–78, July 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900921>.

Watts:1968:IME

- [WW68b] R. L. Watts and D. C. Watts. The implications for molecular evolution of possible mechanisms of primary gene duplication. *Journal of Theoretical Biology*, 20(2):227–244, August 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368901926>.

Wyatt:1964:CEC

- [Wya64] H. V. Wyatt. Cations, enzymes and control of cell metabolism. *Journal of Theoretical Biology*, 6(3):441–470, May 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936490058X>.

Weiss:1969:KRB

- [WZ69] George H. Weiss and Gershom Zajicek. Kinetics of red blood cells following hemolysis. *Journal of Theoretical Biology*, 23(3):475–491, June 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900332>.

Yamagata:1966:HAA

- [Yam66] Yukio Yamagata. A hypothesis for the asymmetric appearance of biomolecules on earth. *Journal of Theoretical Biology*, 11(3):495–498, August 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/002251936690110X>.

Ycas:1961:RAA

- [Yca61] Martynas Ycas. Replacement of amino acids in proteins. *Journal of Theoretical Biology*, 1(2):244–257, April 1961. CODEN JTBIAP.

ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519361900480>.

Yeisley:1964:ACS

- [YP64] Warren G. Yeisley and Ernest C. Pollard. An analog computer study of differential equations concerned with bacterial cell synthesis. *Journal of Theoretical Biology*, 7(3):485–503, November 1964. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519364900189>.

Yasuda:1967:TSF

- [YS67] H. Yasuda and William Stone. Theoretical study of the fluid transport and the hydration of the cornea. *Journal of Theoretical Biology*, 16(1):111–134, July 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900562>.

Yas:1965:MCS

- [YSB65] M. Yäs, M. Sugita, and Arlene Bensam. A model of cell size regulation. *Journal of Theoretical Biology*, 9(3):444–470, November 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900433>.

Zajicek:1968:CMS

- [Zaj68] Gershom Zajicek. A computer model simulating the behavior of adult red blood cells. Red cell model. *Journal of Theoretical Biology*, 19(1):51–66, April 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900040>.

Zarybnicky:1969:MED

- [Zár69] V. Zarybnický. Mechanism of t-even DNA ejection. *Journal of Theoretical Biology*, 22(1):33–40, IN1–IN2, 41–42, January 1969. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900782>.

Zelman:1968:ACF

- [Zel68] D. Allen Zelman. An analysis of the constant field equation. *Journal of Theoretical Biology*, 18(3):396–398, March 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541

(electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900878>.

Zimmerman:1968:CAA

- [ZES68] J. M. Zimmerman, Naomi Eliezer, and R. Simha. The characterization of amino acid sequences in proteins by statistical methods. *Journal of Theoretical Biology*, 21(2):170–201, November 1968. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519368900696>.

Zuckerandl:1965:MDE

- [ZP65] Emile Zuckerandl and Linus Pauling. Molecules as documents of evolutionary history. *Journal of Theoretical Biology*, 8(2):357–366, March 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365900834>.

Zimmerman:1965:KMM

- [ZS65] J. M. Zimmerman and Robert Simha. The kinetics of multicenter macromolecule growth along a template. *Journal of Theoretical Biology*, 9(2):156–185, September 1965. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519365901062>.

Zimmerman:1966:KCU

- [ZS66] J. M. Zimmerman and Robert Simha. The kinetics of cooperative unwinding and template replication of biological macromolecules. *Journal of Theoretical Biology*, 13(??):106–130, December 1966. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519366900129>.

Zotin:1967:TAD

- [ZZ67] A. I. Zotin and R. S. Zotina. Thermodynamic aspects of developmental biology. *Journal of Theoretical Biology*, 17(1):57–75, October 1967. CODEN JTBIAP. ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519367900203>.

Zotin:1969:CAP

- [ZZ69] A. I. Zotin and R. S. Zotina. Comments by the authors on the paper “thermodynamic aspect of developmental biology”. *Journal of*

Theoretical Biology, 23(2):342–343, May 1969. CODEN JTBIAP.
ISSN 0022-5193 (print), 1095-8541 (electronic). URL <http://www.sciencedirect.com/science/article/pii/0022519369900459>.