Athel Cornish-Bowden

List of Publications by Year
in descending order

203	13,618	41627	25983
papers	citations	51 h-index	112 g-index

214	214	214	11542
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The systems biology markup language (SBML): a medium for representation and exchange of biochemical network models. Bioinformatics, 2003, 19, 524-531.	1.8	2,811
2	The direct linear plot. A new graphical procedure for estimating enzyme kinetic parameters. Biochemical Journal, 1974, 139, 715-720.	1.7	1,526
3	A simple graphical method for determining the inhibition constants of mixed, uncompetitive and non-competitive inhibitors (Short Communication). Biochemical Journal, 1974, 137, 143-144.	1.7	866
4	Nomenclature for incompletely specified bases in nucleic acid sequences: rcommendations 1984. Nucleic Acids Research, 1985, 13, 3021-3030.	6.5	448
5	Statistical considerations in the estimation of enzyme kinetic parameters by the direct linear plot and other methods. Biochemical Journal, 1974, 139, 721-730.	1.7	370
6	Evolution and regulatory role of the hexokinases. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1401, 242-264.	1.9	261
7	Enthalpyâ€"entropy compensation: a phantom phenomenon. Journal of Biosciences, 2002, 27, 121-126.	0.5	218
8	Diagnostic uses of the Hill (logit and Nernst) plots. Journal of Molecular Biology, 1975, 95, 201-212.	2.0	198
9	Regulating the cellular economy of supply and demand. FEBS Letters, 2000, 476, 47-51.	1.3	184
10	Estimation of Michaelis constant and maximum velocity from the direct linear plot. Biochimica Et Biophysica Acta - Biomembranes, 1978, 523, 268-272.	1.4	176
11	Control analysis of metabolic systems. Trends in Biochemical Sciences, 1985, 10, 16.	3.7	166
12	[9] Relating proteins by amino acid composition. Methods in Enzymology, 1983, 91, 60-75.	0.4	151
13	Relationships between inhibition constants, inhibitor concentrations for 50% inhibition and types of inhibition: new ways of analysing data. Biochemical Journal, 2001, 357, 263-268.	1.7	150
14	The kinetics of coupled enzyme reactions. Applications to the assay of glucokinase, with glucose 6-phosphate dehydrogenase as coupling enzyme. Biochemical Journal, 1974, 141, 205-209.	1.7	147
15	Why is uncompetitive inhibition so rare?. FEBS Letters, 1986, 203, 3-6.	1.3	146
16	Kinetics of rat liver glucokinase. Co-operative interactions with glucose at physiologically significant concentrations. Biochemical Journal, 1976, 159, 7-14.	1.7	138
17	Kinetic evidence for a â€˜mnemonicalâ€™ mechanism for rat liver glucokinase. Biochemical Journal, 1977, 165, 61-69.	1.7	131
18	Quantitative assessment of regulation in metabolic systems. FEBS Journal, 1991, 200, 223-236.	0.2	126

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19	The use of the direct linear plot for determining initial velocities. Biochemical Journal, 1975, 149, 305-312.	3.2	122
20	Organizational invariance and metabolic closure: Analysis in terms of systems. Journal of Theoretical Biology, 2006, 238, 949-961.	0.8	119
21	One hundred years of Michaelisâ€“Menten kinetics. Perspectives in Science, 2015, 4, 3-9.	0.6	117
22	Co-operative and allosteric enzymes: 20 years on. FEBS Journal, 1987, 166, 255-272.	0.2	112
23	Understanding the regulation of aspartate metabolism using a model based on measured kinetic parameters. Molecular Systems Biology, 2009, 5, 271.	3.2	107
24	A weak link in metabolism: the metabolic capacity for glycine biosynthesis does not satisfy the need for collagen synthesis. Journal of Biosciences, 2009, 34, 853-872.	0.5	102
25	The effect of natural selection on enzymic catalysis. Journal of Molecular Biology, 1976, 101, 1-9.	2.0	95
26	The purification in high yield and characterization of rat hepatic glucokinase. Biochemical Journal, 1976, 153, 363-373.	1.7	93
27	The origins of enzyme kinetics. FEBS Letters, 2013, 587, 2725-2730.	1.3	91
28	Purification and properties of nitrite reductase from Escherichia coli K12. Biochemical Journal, 1978, 175, 483-493.	1.7	88
29	The nature of experimental error in enzyme kinetic measurments. Biochemical Journal, 1975, 151, 361-367.	1.7	84
30	Recommendations for nomenclature and tables in biochemical thermodynamics (IUPAC) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (R	0.9	84
31	The pH-dependence of pepsin-catalysed reactions. Biochemical Journal, 1969, 113, 353-362.	3.2	83
32	Co-operativity in monomeric enzymes. Journal of Theoretical Biology, 1987, 124, 1-23.	0.8	83
33	Assessment of protein sequence identity from amino acid composition data. Journal of Theoretical Biology, 1977, 65, 735-742.	0.8	82
34	Evaluation of distribution-free confidence limits for enzyme kinetic parameters. Journal of Theoretical Biology, 1978, 74, 163-175.	0.8	82
35	Taking enzyme kinetics out of control; putting control into regulation. FEBS Journal, 1993, 212, 833-837.	0.2	80
36	Relationships between inhibition constants, inhibitor concentrations for 50% inhibition and types of inhibition: new ways of analysing data. Biochemical Journal, 2001, 357, 263.	1.7	79

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37	An automatic method for deriving steady-state rate equations. Biochemical Journal, 1977, 165, 55-59.	1.7	77
38	The competition plot: a simple test of whether two reactions occur at the same active site. Biochemical Journal, 1993, 289, 599-604.	1.7	74
39	Strategies for Manipulating Metabolic Fluxes in Biotechnology. Bioorganic Chemistry, 1995, 23, 439-449.	2.0	74
40	Current IUBMB recommendations on enzyme nomenclature and kinetics. Perspectives in Science, 2014, 1, 74-87.	0.6	73
41	General method for the quantitative determination of saturation curves for multisubunit proteins. Biochemistry, 1970, 9, 3325-3336.	1.2	71
42	Critical values for testing the significance of amino acid composition indexes. Analytical Biochemistry, 1980, 105, 233-238.	1.1	71
43	Prosthetic groups of the NADH-dependent nitrite reductase from Escherichia coli K12. Biochemical Journal, 1981, 193, 861-867.	1.7	71
44	How reliably do amino acid composition comparisons predict sequence similarities between proteins?. Journal of Theoretical Biology, 1979, 76, 369-386.	0.8	69
45	From L'Homme Machine to metabolic closure: Steps towards understanding life. Journal of Theoretical Biology, 2011, 286, 100-113.	0.8	69
46	Fitting of enzyme kinetic data without prior knowledge of weights. Biochemical Journal, 1981, 193, 1005-1008.	1.7	66
47	Characteristics necessary for an interconvertible enzyme cascade to generate a highly sensitive response to an effector. Biochemical Journal, 1989, 257, 339-345.	1.7	65
48	Prospects for Antiparasitic Drugs. Journal of Biological Chemistry, 1998, 273, 5500-5505.	1.6	65
49	Standards for Reporting Enzyme Data: The STRENDA Consortium: What it aims to do and why it should be helpful. Perspectives in Science, 2014, 1, 131-137.	0.6	65
50	Beyond reductionism: Metabolic circularity as a guiding vision for a real biology of systems. Proteomics, 2007, 7, 839-845.	1.3	61
51	Understanding allosteric and cooperative interactions in enzymes. FEBS Journal, 2014, 281, 621-632.	2.2	58
52	Recommendations for terminology and databases for biochemical thermodynamics. Biophysical Chemistry, 2011, 155, 89-103.	1.5	57
53	Commemorating the 1913 Michaelisâ€“Menten paper Die Kinetik der Invertinwirkung: three perspectives. FEBS Journal, 2014, 281, 435-463.	2.2	54
54	From genome to cellular phenotypeâ€”a role for metabolic flux analysis?. Nature Biotechnology, 2000, 18, 267-268.	9.4	52

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55	A Simple Self-Maintaining Metabolic System: Robustness, Autocatalysis, Bistability. PLoS Computational Biology, 2010, 6, e1000872.	1.5	52
56	Co-response Analysis: A New Experimental Strategy for Metabolic Control Analysis. Journal of Theoretical Biology, 1996, 182, 371-380.	0.8	51
57	The Influence of Binding Domains on the Nature of Subunit Interactions in Oligomeric Proteins. Journal of Biological Chemistry, 1970, 245, 6241-6250.	1.6	51
58	Closure to efficient causation, computability and artificial life. Journal of Theoretical Biology, 2010, 263, 79-92.	0.8	49
59	Isotope-exchange evidence for an ordered mechanism for rat-liver glucokinase, a monomeric cooperative enzyme. Biochemistry, 1981, 20, 499-506.	1.2	47
60	Determination of control coefficients in intact metabolic systems. Biochemical Journal, 1994, 298, 367-375.	1.7	47
61	Contrasting theories of life: Historical context, current theories. In search of an ideal theory. BioSystems, 2020, 188, 104063.	0.9	45
62	Understanding the parts in terms of the whole. Biology of the Cell, 2004, 96, 713-717.	0.7	43
63	Information transfer in metabolic pathways. FEBS Journal, 2001, 268, 6616-6624.	0.2	42
64	Putting the Systems Back into Systems Biology. Perspectives in Biology and Medicine, 2006, 49, 475-489.	0.3	42
65	Kinetics of the hydrolysis of N-benzoyl-l-serine methyl ester catalysed by bromelain and by papain. Analysis of modifier mechanisms by lattice nomography, computational methods of parameter evaluation for substrate-activated catalyses and consequences of postulated non-productive binding in bromelain- and papain-catalysed hydrolyses. Biochemical Journal, 1974, 141, 365-381.	1.7	41
66	Failure of channelling to maintain low concentrations of metabolic intermediates. FEBS Journal, 1991, 195, 103-108.	0.2	41
67	The analysis of kinetic data in biochemistry. A critical evaluation of methods. FEBS Letters, 1976, 63, 225-230.	1.3	40
68	Estimation of the dissociation constants of enzyme-substrate complexes from steady-state measurements. Interpretation of pH-independence of Km. Biochemical Journal, 1976, 153, 455-461.	1.7	40
69	Channelling can affect concentrations of metabolic intermediates at constant net flux: artefact or reality?. FEBS Journal, 1993, 213, 87-92.	0.2	40
70	Self-organization at the origin of life. Journal of Theoretical Biology, 2008, 252, 411-418.	0.8	40
71	Life before LUCA. Journal of Theoretical Biology, 2017, 434, 68-74.	0.8	40
72	Kinetics of nitrogenase of Klebsiella pneumoniae. Heterotropic interactions between magnesium-adenosine 5â€²-diphosphate and magnesium-adenosine 5â€²-triphosphate. Biochemical Journal, 1977, 165, 255-262.	1.7	39

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73	Evaluation of rate constants for enzyme-catalysed reactions by the jackknife technique. Application to liver alcohol dehydrogenase. Biochemical Journal, 1978, 175, 969-976.	1.7	38
74	Detection of Errors of Interpretation in Experiments in Enzyme Kinetics. Methods, 2001, 24, 181-190.	1.9	38
75	STRENDA DB: enabling the validation and sharing of enzyme kinetics data. FEBS Journal, 2018, 285, 2193-2204.	2.2	38
76	Silent genes given voice. Nature, 2001, 409, 571-572.	13.7	37
77	Robust regression of enzyme kinetic data. Biochemical Journal, 1986, 234, 21-29.	1.7	36
78	Systems biology may work when we learn to understand the parts in terms of the whole. Biochemical Society Transactions, 2005, 33, 516-519.	1.6	36
79	Mechanistic origin of the sigmoidal rate behaviour of rat liver hexokinase D (â€˜glucokinaseâ€™). Biochemical Journal, 1986, 240, 293-296.	1.7	35
80	Isotope-Exchange Evidence that Glucose 6-Phosphate Inhibits Rat-Muscle Hexokinase II at an Allosteric Site. FEBS Journal, 1983, 134, 283-288.	0.2	34
81	Dominance is not Inevitable. Journal of Theoretical Biology, 1987, 125, 333-338.	0.8	34
82	Metabolic control theory and biochemical systems theory: Different objectives, different assumptions, different results. Journal of Theoretical Biology, 1989, 136, 365-377.	0.8	34
83	Specificity of Non-Michaelisâ^'Menten Enzymes: Necessary Information for Analyzing Metabolic Pathways. Journal of Physical Chemistry B, 2010, 114, 16209-16213.	1.2	33
84	Mechanism of liver glucokinase. Molecular and Cellular Biochemistry, 1982, 44, 71-80.	1.4	32
85	The Role of Stoichiometric Analysis in Studies of Metabolism: An Example. Journal of Theoretical Biology, 2002, 216, 179-191.	0.8	31
86	Kinetics of Membrane-Bound Nitrate Reductase A from Escherichia Coli with Analogues of Physiological Electron Donors. Different Reaction Sites for Menadiol and Duroquinol. FEBS Journal, 1997, 250, 567-577.	0.2	30
87	Enzyme specificity: Its meaning in the general case. Journal of Theoretical Biology, 1984, 108, 451-457.	0.8	27
88	Hexokinase and â€˜glucokinaseâ€™ in liver metabolism. Trends in Biochemical Sciences, 1991, 16, 281-282.	3.7	27
89	Affinity Labelling of Rat-Muscle Hexokinase Type II by a Glucose-Derived Alkylating Agent. FEBS Journal, 1979, 93, 375-385.	0.2	26
90	Metabolic Control Analysis in Theory and Practice. Advances in Molecular and Cell Biology, 1995, 11, 21-64.	0.1	26

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91	Kinetic Studies of a Soluble alphabeta Complex of Nitrate Reductase A from Escherichia Coli. Use of Various alphabeta Mutants with Altered beta Subunits. FEBS Journal, 1995, 234, 766-772.	0.2	25
92	Organizational Invariance in (M,R)â€Systems. Chemistry and Biodiversity, 2007, 4, 2396-2406.	1.0	25
93	The threat from creationism to the rational teaching of biology. Biological Research, 2007, 40, 113-22.	1.5	25
94	APPENDIX. Validity of a 'Steady-State' Treatment of Inactivation Kinetics. FEBS Journal, 1979, 93, 383-385.	0.2	24
95	Simulating a Model of Metabolic Closure. Biological Theory, 2013, 8, 383-390.	0.8	24
96	Evolution of Negative Cooperativity in Glutathione Transferase Enabled Preservation of Enzyme Function. Journal of Biological Chemistry, 2016, 291, 26739-26749.	1.6	24
97	The pre-eminence of kcat. in the manifestation of optimal enzymic activity delineated by using the Briggs-Haldane two-step irreversible kinetic model. Biochemical Journal, 1976, 159, 165-166.	1.7	23
98	Activation of nitrite reductase from Escherichia coli K12 by oxidized nicotinamide-adenine dinucleotide. Biochemical Journal, 1978, 175, 495-499.	1.7	23
99	Viability Conditions for a Compartmentalized Protometabolic System: A Semi-Empirical Approach. PLoS ONE, 2012, 7, e39480.	1.1	23
100	Analysis and interpretation of enzyme kinetic data. Perspectives in Science, 2014, 1, 121-125.	0.6	23
101	Interpretation of amino acid compositions. Trends in Biochemical Sciences, 1981, 6, 217-219.	3.7	22
102	Eukaryotic genes: Are introns structural elements or evolutionary debris?. Nature, 1985, 313, 434-435.	13.7	22
103	MetaModel: a program for modelling and control analysis of metabolic pathways on the IBM PC and compatibles. Bioinformatics, 1991, 7, 89-93.	1.8	22
104	The importance of uniformity in reporting protein-function data. Trends in Biochemical Sciences, 2005, 30, 11-12.	3.7	22
105	A large-scale protein-function database. Nature Chemical Biology, 2010, 6, 785-785.	3.9	22
106	The rate-determining step in pepsin-catalysed reactions, and evidence against an acyl-enzyme intermediate. Biochemical Journal, 1969, 113, 369-375.	3.2	21
107	The steady-state kinetics of the NADH-dependent nitrite reductase from Escherichia coli K 12. Nitrite and hydroxylamine reduction. Biochemical Journal, 1981, 199, 171-178.	1.7	21
108	The pH dependence of the apparent equilibrium constant, Kâ€², of a biochemical reaction. Trends in Biochemical Sciences, 1993, 18, 288-291.	3.7	21

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109	The random character of protein evolution and its effects on the reliability of phylogenetic information deduced from amino acid sequences and compositions. Biochemical Journal, 1980, 191, 349-354.	1.7	20
110	Complex networks of interactions connect genes to phenotypes. Trends in Biochemical Sciences, 2001, 26, 463-465.	3.7	20
111	Metabolic analysis in drug design. Comptes Rendus - Biologies, 2003, 326, 509-515.	0.1	20
112	The amino acid compositions of proteins are correlated with their molecular sizes. Biochemical Journal, 1983, 213, 271-274.	1.7	19
113	Hidden Concepts in the History and Philosophy of Origins-of-Life Studies: a Workshop Report. Origins of Life and Evolution of Biospheres, 2019, 49, 111-145.	0.8	19
114	The stereochemical course of phosphoryl transfer catalysed by glucokinase.. Biochemical Journal, 1982, 201, 421-423.	1.7	18
115	Response coefficients of interconvertible enzyme cascades towards effectors that act on one or both modifier enzymes. FEBS Journal, 1992, 204, 807-813.	0.2	18
116	Enthalpyâ€“entropy compensation and the isokinetic temperature in enzyme catalysis. Journal of Biosciences, 2017, 42, 665-670.	0.5	18
117	Interpretation of the difference index as a guide to protein sequence identity. Journal of Theoretical Biology, 1978, 74, 155-161.	0.8	16
118	Rosennean Complexity and its relevance to ecology. Ecological Complexity, 2018, 35, 13-24.	1.4	16
119	Analysis of progress curves in enzyme kinetics. Biochemical Journal, 1972, 130, 637-639.	3.2	15
120	Metabolic balance sheets. Nature, 2002, 420, 129-130.	13.7	15
121	Enzymes in context: Kinetic characterization of enzymes for systems biology. Biochemist, 2005, 27, 11-14.	0.2	15
122	The physiological significance of negative co-operativity. Journal of Theoretical Biology, 1975, 51, 233-235.	0.8	14
123	Electron-spin-resonance studies of the NADH-dependent nitrite reductase from Escherichia coli K12. Biochemical Journal, 1982, 207, 333-339.	1.7	14
124	Metabolic efficiency: Is it a useful concept?. Biochemical Society Transactions, 1983, 11, 44-45.	1.6	14
125	Solvent isotope effects on the glucokinase reaction. Negative co-operativity and a large inverse isotope effect in 2H2O. FEBS Journal, 1984, 141, 157-163.	0.2	14
126	Enzyme kinetics from a metabolic perspective. Biochemical Society Transactions, 1999, 27, 281-284.	1.6	14

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127	The physiological significance of negative cooperativity revisited. Journal of Theoretical Biology, 2013, 319, 144-147.	0.8	14
128	Evaluation of the non-randomness of protein compositions. Journal of Molecular Evolution, 1977, 10, 231-240.	0.8	13
129	Allosteric character of the inhibition of rat-muscle hexokinase B by glucose 6-phosphate. FEBS Journal, 1986, 161, 171-176.	0.2	13
130	Tibor GÃ¡nti and Robert Rosen: Contrasting approaches to the same problem. Journal of Theoretical Biology, 2015, 381, 6-10.	0.8	13
131	Kinetics of hexokinase D (â€˜glucokinaseâ€™) with inosine triphosphate as phosphate donor. Loss of kinetic co-operativity with respect to glucose. Biochemical Journal, 1987, 245, 625-629.	1.7	12
132	Size matters: Influence of stochasticity on the self-maintenance of a simple model of metabolic closure. Journal of Theoretical Biology, 2012, 300, 143-151.	0.8	12
133	Extending Double Modulation: Combinatorial Rules for Identifying the Modulations Necessary for Determining Elasticities in Metabolic Pathways. Journal of Theoretical Biology, 1996, 182, 361-369.	0.8	11
134	Victor Henri: 111 years of his equation. Biochimie, 2014, 107, 161-166.	1.3	11
135	THE DETERMINATION OF BARLEY Î±-AMYLASE ACTIVITY. Journal of the Institute of Brewing, 1979, 85, 157-159.	0.8	10
136	Related genes can have unrelated introns. Nature, 1982, 297, 625-626.	13.7	10
137	Effect of glycerol on glucokinase activity: Loss of cooperative behavior with respect to glucose. Archives of Biochemistry and Biophysics, 1985, 237, 328-334.	1.4	10
138	Generalization of the double-modulation method for in situ determination of elasticities. Biochemical Journal, 1997, 327, 217-223.	1.7	10
139	Advantages and disadvantages of aggregating fluxes into synthetic and degradative fluxes when modelling metabolic pathways. FEBS Journal, 1999, 265, 671-679.	0.2	10
140	Synergy between verapamil and other multidrug-resistance modulators in model membranes. Journal of Biosciences, 2007, 32, 737-746.	0.5	10
141	Role of apurinic sites in the resistance of methylated oligodeoxyribonucleotides to degradation by spleen exonuclease. Biochemical Journal, 1975, 151, 249-256.	1.7	9
142	The steady state kinetics of the NADH-dependent nitrite reductase from Escherichia coli K12. The reduction of single-electron acceptors. Biochemical Journal, 1982, 203, 505-510.	1.7	9
143	The amino acid sequences of the copper/zinc superoxide dismutases from swordfish and Photobacter leiognathi confirm the predictions made from the compositions. FEBS Journal, 1985, 151, 333-335.	0.2	9
144	Introduction. FEBS Letters, 2013, 587, 2711-2711.	1.3	9

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145	Robust Estimation in Enzyme Kinetics. , 1981, , 105-119.		8
146	Nomenclature of prenols (Recommendations 1986). Pure and Applied Chemistry, 1987, 59, 683-689.	0.9	8
147	The time dimension in steady-state kinetic: A simplified representation of control coefficients. Biochemical Education, 1987, 15, 144-146.	0.1	8
148	Lynn Margulis and the origin of the eukaryotes. Journal of Theoretical Biology, 2017, 434, 1.	0.8	8
149	Nomenclature and symbols for folic acid and related compounds (Recommendations 1986). Pure and Applied Chemistry, 1987, 59, 833-836.	0.9	8
150	Phenetic methods of classification use information that is disregarded by minimum-length methods. Journal of Theoretical Biology, 1983, 101, 317-319.	0.8	7
151	Abrupt transitions in kinetic plots: an artifact of plotting procedures. Biochemical Journal, 1988, 250, 309-310.	1.7	7
152	Product inhibition in mechanisms in which the free enzyme isomerizes. Biochemical Journal, 1994, 301, 621-623.	1.7	7
153	Measurement of flux ratios as a probe of enzyme mechanisms. Trends in Biochemical Sciences, 1981, 6, 149-150.	3.7	6
154	Isotope-exchange evidence for allosteric regulation of hexokinase II by glucose 6-phosphate and for an obligatory addition of substrates. Biochemical Society Transactions, 1981, 9, 62-63.	1.6	6
155	Parameter estimating procedures for the Michaelis-Menten model: Reply to Tseng and Hsu. Journal of Theoretical Biology, 1991, 153, 437-440.	0.8	6
156	Biochemistry and evolutionary biology: Two disciplines that need each other. Journal of Biosciences, 2014, 39, 13-27.	0.5	6
157	The essence of life revisited: how theories can shed light on it. Theory in Biosciences, 2022, 141, 105-123.	0.6	6
158	Biochemical Evolution. , 0, , .		6
159	Convergent evolution of lysozyme sequences?. Nature, 1988, 332, 787-788.	13.7	5
160	Rounding error, an unexpected fault in the output from a recording spectrophotometer: implications for model discrimination. Biochemical Journal, 1993, 292, 37-40.	1.7	5
161	The Nature and Role of Theory in Metabolic Control. , 1990, , 31-40.		5
162	Computer Simulation as A Tool for Studying Metabolism and Drug Design. , 2000, , 165-172.		5

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163	Algebraic methods for deriving steady-state rate equations. Practical difficulties with mechanisms that contain repeated rate constants. Biochemical Journal, 1976, 159, 167-167.	1.7	4
164	Validity of the jack-knife technique for analysing enzyme kinetic data. Biochemical Journal, 1980, 185, 535-536.	1.7	4
165	How much effect on free metabolite concentrations does channelling have?. Journal of Theoretical Biology, 1991, 152, 39-40.	0.8	4
166	Henrik Kacser (1918â€“1995): an Annotated Bibliography. Journal of Theoretical Biology, 1996, 182, 195-199.	0.8	4
167	Curbing the excesses of low demand. Nature, 2013, 500, 157-158.	13.7	4
168	Molecular biology: No introns in insect globin genes. Nature, 1984, 310, 724-724.	13.7	3
169	Enzyme kinetics calculations - The direct linear plot procedure. Journal of Chemical Education, 1984, 61, 527.	1.1	3
170	The definition of â€˜peptidaseâ€™. Biochemical Journal, 1985, 231, 808-808.	1.7	3
171	Stoicheiometric analysis in studies of metabolism. Biochemical Society Transactions, 2002, 30, 43-46.	1.6	3
172	Modulation of metabolite concentrations with no net effect on fluxes. Molecular Biology Reports, 2002, 29, 17-20.	1.0	3
173	Reinhart Heinrich (1946â€“2006): An annotated bibliography. Journal of Theoretical Biology, 2008, 252, 379-387.	0.8	3
174	Professor Robert A. Albertyâ€”A Legacy of Excellence. Journal of Physical Chemistry B, 2010, 114, 16045-16046.	1.2	3
175	Introduction: Enzyme catalysis and allostery: a century of advances in molecular understanding. FEBS Journal, 2014, 281, 433-434.	2.2	3
176	Analytical Kinetic Modeling: A Practical Procedure. Methods in Molecular Biology, 2014, 1090, 261-280.	0.4	3
177	Subunit interactions in pig-kidney fructose-1,6-bisphosphatase: Binding of substrate induces a second class of site with lowered affinity and catalytic activity. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1798-1807.	1.1	3
178	Rat-Liver Glucokinase as a Mnemonical Enzyme. , 1984, , 29-41.		3
179	Further corrections to "An introduction to programming the winograd Fourier transform algorithm (WFTA)". IEEE Transactions on Acoustics, Speech, and Signal Processing, 1978, 26, 482-482.	2.0	2
180	Unusual solvent isotope effects on the glucokinase reaction. Biochemical Society Transactions, 1982, 10, 451-452.	1.6	2

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181	Why are enzymes so small? or why do biochemists ask â€˜why are enzymes so big?â€™. Trends in Biochemical Sciences, 1986, 11, 286.	3.7	2
182	Saturation functions as a nested set. Journal of Theoretical Biology, 1988, 130, 125-126.	0.8	2
183	Two centuries of catalysis. Journal of Biosciences, 1998, 23, 87-92.	0.5	2
184	Zacharias Dische and the discovery of feedback inhibition: A landmark paper published in the forerunner of Biochimie. Biochimie, 2021, 182, 120-130.	1.3	2
185	Nonequilibrium Isotope Exchange Methods for Investigating Enzyme Mechanisms. Current Topics in Cellular Regulation, 1989, 30, 143-169.	9.6	2
186	Metabolic Analysis in Drug Discovery. Science, 2000, 288, 617-617.	6.0	2
187	Amino Acid Compositions Provide a Reliable Guide to Sequence Similarities. Biochemical Society Transactions, 1978, 6, 767-768.	1.6	1
188	MECHANISTIC STUDIES OF RAT MUSCLE HEXOKINASE II. Biochemical Society Transactions, 1981, 9, 158P-158P.	1.6	1
189	Revision of Enzyme Nomenclature. Listing Enzymes. FEBS Journal, 1983, 133, 479-479.	0.2	1
190	Terminology for sialic acids. Biochemical Journal, 1983, 215, 711-711.	1.7	1
191	The prediction of repetitive protein sequences from amino acid compositions: a comment. Biochemical Journal, 1984, 217, 340-340.	1.7	1
192	Significance of the purine-pyrimidine motif present in most gene groups. Journal of Theoretical Biology, 1988, 134, 1-7.	0.8	1
193	Cornish-Bowden and CÃ¡rdenas reply. Trends in Biochemical Sciences, 1992, 17, 59.	3.7	1
194	A Control Analysis of Metabolic Regulation. , 1993, , 193-198.		1
195	Kinetic implications of metabolite channelling in Î²-oxidation. Biochemical Society Transactions, 1994, 22, 451-454.	1.6	1
196	Reinhart Heinrich (1946â€“2006). Journal of Theoretical Biology, 2008, 252, 377-378.	0.8	1
197	ROBUST ESTIMATION OF ENZYME KINETIC PARAMETERS. Biochemical Society Transactions, 1981, 9, 321P-321P.	1.6	0
198	Listing enzymes. Biochemical Education, 1983, 11, 119.	0.1	0

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199	Metabolic complexity has no bearing on genetic determinism. Behavioral and Brain Sciences, 1999, 22, 889-890.	0.4	0
200	Monitoring the energy status of a living organism in real time. Journal of Biosciences, 2008, 33, 629-630.	0.5	0
201	How I became a biochemist. IUBMB Life, 2009, 62, NA-NA.	1.5	0
202	Time flies like an arrow: Fruit flies like a banana. Perspectives in Science, 2015, 6, 113-120.	0.6	0
203	Entropy-Enthalpy Compensation. , 2018, , 1-6.		0