

Santiago Schnell

List of Publications by Year in descending order

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150
papers

4,981
citations

101535

36
h-index

114455

63
g-index

186
all docs

186
docs citations

186
times ranked

5304
citing authors

#	ARTICLE	IF	CITATIONS
1	An intrinsically disordered protein region encoded by the human disease gene <i>CLEC16A</i> regulates mitophagy. <i>Autophagy</i> , 2023, 19, 525-543.	9.1	4
2	On the Validity of the Stochastic Quasi-Steady-State Approximation in Open Enzyme Catalyzed Reactions: Timescale Separation or Singular Perturbation?. <i>Bulletin of Mathematical Biology</i> , 2022, 84, 7.	1.9	1
3	EnzymeML a data exchange format for biocatalysis and enzymology. <i>FEBS Journal</i> , 2022, 289, 5864-5874.	4.7	14
4	On the anti-quasi-steady-state conditions of enzyme kinetics. <i>Mathematical Biosciences</i> , 2022, 350, 108870.	1.9	8
5	Stochastic enzyme kinetics and the quasi-steady-state reductions: Application of the slow scale linear noise approximation À la Fenichel. <i>Journal of Mathematical Biology</i> , 2022, 85, .	1.9	1
6	On the quasi-steady-state approximation in an open Michaelis-Menten reaction mechanism. <i>AIMS Mathematics</i> , 2021, 6, 6781-6814.	1.6	11
7	Interpreting SARS-CoV-2 seroprevalence, deaths, and fatality rate – Making a case for standardized reporting to improve communication. <i>Mathematical Biosciences</i> , 2021, 333, 108545.	1.9	13
8	Concentration sensing in crowded environments. <i>Biophysical Journal</i> , 2021, 120, 1718-1731.	0.5	1
9	Mapping protein-protein interactions in homodimeric CYP102A1 by crosslinking and mass spectrometry. <i>Biophysical Chemistry</i> , 2021, 274, 106590.	2.8	9
10	The embryonic trunk neural crest microenvironment regulates the plasticity and invasion of human neuroblastoma via TrkB signaling. <i>Developmental Biology</i> , 2021, 480, 78-90.	2.0	2
11	Explaining inter-lab variance in <i>C. elegans</i> N2 lifespan: Making a case for standardized reporting to enhance reproducibility. <i>Experimental Gerontology</i> , 2021, 156, 111622.	2.8	5
12	Hunting ϵ : The Origin and Validity of Quasi-Steady-State Reductions in Enzyme Kinetics. <i>SIAM Journal on Applied Dynamical Systems</i> , 2021, 20, 2450-2481.	1.6	2
13	Firing patterns of gonadotropin-releasing hormone neurons are sculpted by their biologic state. <i>Royal Society Open Science</i> , 2020, 7, 201040.	2.4	0
14	The quasi-steady-state approximations revisited: Timescales, small parameters, singularities, and normal forms in enzyme kinetics. <i>Mathematical Biosciences</i> , 2020, 325, 108339.	1.9	18
15	Are the biomedical sciences ready for synthetic biology?. <i>Biomolecular Concepts</i> , 2020, 11, 23-31.	2.2	4
16	β -arrestin mediates communication between plasma membrane and intracellular GPCRs to regulate signaling. <i>Communications Biology</i> , 2020, 3, 789.	4.4	4
17	Trends in NIH-supported career development funding: implications for institutions, trainees, and the future research workforce. <i>JCI Insight</i> , 2020, 5, .	5.0	8
18	Disorder Atlas: Web-based software for the proteome-based interpretation of intrinsic disorder predictions. <i>Computational Biology and Chemistry</i> , 2019, 83, 107090.	2.3	7

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19	Information processing by endoplasmic reticulum stress sensors. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190288.	3.4	4
20	Characteristic, completion or matching timescales? An analysis of temporary boundaries in enzyme kinetics. <i>Journal of Theoretical Biology</i> , 2019, 481, 28-43.	1.7	9
21	Changes in Both Neuron Intrinsic Properties and Neurotransmission Are Needed to Drive the Increase in GnRH Neuron Firing Rate during Estradiol-Positive Feedback. <i>Journal of Neuroscience</i> , 2019, 39, 2091-2101.	3.6	12
22	Autoantibodies Directed Toward a Novel IA-2 Variant Protein Enhance Prediction of Type 1 Diabetes. <i>Diabetes</i> , 2019, 68, 1819-1829.	0.6	12
23	Clathrin Heavy Chain Knockdown Impacts CXCR4 Signaling and Post-translational Modification. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 77.	3.7	6
24	Enhancing career development of postdoctoral trainees: act locally and beyond. <i>Journal of Physiology</i> , 2019, 597, 2317-2322.	2.9	10
25	Dynamic Recruitment of Single RNAs to Processing Bodies Depends on RNA Functionality. <i>Molecular Cell</i> , 2019, 74, 521-533.e6.	9.7	100
26	On the Need to Develop Guidelines for Characterizing and Reporting Intrinsic Disorder in Proteins. <i>Proteomics</i> , 2019, 19, 1800415.	2.2	7
27	STRENDAB: enabling the validation and sharing of enzyme kinetics data. <i>FEBS Journal</i> , 2018, 285, 2193-2204.	4.7	38
28	Gonadotropin-Releasing Hormone (GnRH) Neuron Excitability Is Regulated by Estradiol Feedback and Kisspeptin. <i>Journal of Neuroscience</i> , 2018, 38, 1249-1263.	3.6	34
29	Inferring Intracellular Signal Transduction Circuitry from Molecular Perturbation Experiments. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 1310-1344.	1.9	3
30	How to design an optimal sensor network for the unfolded protein response. <i>Molecular Biology of the Cell</i> , 2018, 29, 3052-3062.	2.1	3
31	Phase-plane geometries in coupled enzyme assays. <i>Mathematical Biosciences</i> , 2018, 306, 126-135.	1.9	4
32	A Kinetic Analysis of Coupled (or Auxiliary) Enzyme Reactions. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 3154-3183.	1.9	8
33	A theory of reactant-stationary kinetics for a mechanism of zymogen activation. <i>Biophysical Chemistry</i> , 2018, 242, 34-44.	2.8	7
34	“Reproducible” Research in Mathematical Sciences Requires Changes in our Peer Review Culture and Modernization of our Current Publication Approach. <i>Bulletin of Mathematical Biology</i> , 2018, 80, 3095-3105.	1.9	17
35	An empirical analysis of enzyme function reporting for experimental reproducibility: Missing/incomplete information in published papers. <i>Biophysical Chemistry</i> , 2018, 242, 22-27.	2.8	19
36	Do Cellular Condensates Accelerate Biochemical Reactions? Lessons from Microdroplet Chemistry. <i>Biophysical Journal</i> , 2018, 115, 3-8.	0.5	70

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37	Radial WNT5A-Guided Post-mitotic Filopodial Pathfinding Is Critical for Midgut Tube Elongation. <i>Developmental Cell</i> , 2018, 46, 173-188.e3.	7.0	19
38	Predicting neuroblastoma using developmental signals and a logic-based model. <i>Biophysical Chemistry</i> , 2018, 238, 30-38.	2.8	11
39	The importance of accurately correcting for the natural abundance of stable isotopes. <i>Analytical Biochemistry</i> , 2017, 520, 27-43.	2.4	42
40	On the origin of non-membrane-bound organelles, and their physiological function. <i>Journal of Theoretical Biology</i> , 2017, 434, 42-49.	1.7	26
41	Novel Hybrid Phenotype Revealed in Small Cell Lung Cancer by a Transcription Factor Network Model That Can Explain Tumor Heterogeneity. <i>Cancer Research</i> , 2017, 77, 1063-1074.	0.9	81
42	On the validity and errors of the pseudo-first-order kinetics in ligand-receptor binding. <i>Mathematical Biosciences</i> , 2017, 287, 3-11.	1.9	13
43	Approaches for the estimation of timescales in nonlinear dynamical systems: Timescale separation in enzyme kinetics as a case study. <i>Mathematical Biosciences</i> , 2017, 287, 122-129.	1.9	14
44	Globalization and changing trends of biomedical research output. <i>JCI Insight</i> , 2017, 2, .	5.0	22
45	A collection of intrinsic disorder characterizations from eukaryotic proteomes. <i>Scientific Data</i> , 2016, 3, 160045.	5.3	17
46	Quantitative proteome-based guidelines for intrinsic disorder characterization. <i>Biophysical Chemistry</i> , 2016, 213, 6-16.	2.8	11
47	RhoC GTPase Is a Potent Regulator of Glutamine Metabolism and N-Acetylaspartate Production in Inflammatory Breast Cancer Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 13715-13729.	3.4	29
48	Coordination of signaling and tissue mechanics during morphogenesis of murine intestinal villi: a role for mitotic cell rounding. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 918-928.	1.3	37
49	On the estimation errors of KM and V from time-course experiments using the Michaelis-Menten equation. <i>Biophysical Chemistry</i> , 2016, 219, 17-27.	2.8	54
50	Estimation of the lag time in a subsequent monomer addition model for fibril elongation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21259-21268.	2.8	34
51	Loss of the Ubiquitin-conjugating Enzyme UBE2W Results in Susceptibility to Early Postnatal Lethality and Defects in Skin, Immune, and Male Reproductive Systems. <i>Journal of Biological Chemistry</i> , 2016, 291, 3030-3042.	3.4	20
52	A computational approach to studying ageing at the individual level. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152346.	2.6	3
53	Ten Simple Rules for a Computational Biologist's Laboratory Notebook. <i>PLoS Computational Biology</i> , 2015, 11, e1004385.	3.2	31
54	Effects of Crowding Agents and Volume Exclusion on Amyloid Beta Fibrillation. <i>Biophysical Journal</i> , 2015, 108, 51a.	0.5	0

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55	Villification in the mouse: Bmp signals control intestinal villus patterning. <i>Development (Cambridge)</i> , 2015, 143, 427-36.	2.5	97
56	Molecular aspects of pancreatic beta cell failure and diabetes. <i>Molecular Aspects of Medicine</i> , 2015, 42, 1-2.	6.4	4
57	Development, growth and maintenance of β^2 -cell mass: Models are also part of the story. <i>Molecular Aspects of Medicine</i> , 2015, 42, 78-90.	6.4	19
58	Evidence for Residual and Partly Reparable Insulin Secretory Function and Maintained β^2 -Cell Gene Expression in Islets From Patients With Type 1 Diabetes. <i>Diabetes</i> , 2015, 64, 2335-2337.	0.6	1
59	Rethinking Models of Pattern Formation in Somitogenesis. <i>Cell Systems</i> , 2015, 1, 248-249.	6.2	4
60	Unraveling the contribution of pancreatic beta-cell suicide in autoimmune type 1 diabetes. <i>Journal of Theoretical Biology</i> , 2015, 375, 77-87.	1.7	22
61	Optimal Experimental Design to Estimate Statistically Significant Periods of Oscillations in Time Course Data. <i>PLoS ONE</i> , 2014, 9, e93826.	2.5	4
62	Surveying the floodgates: estimating protein flux into the endoplasmic reticulum lumen in <i>Saccharomyces cerevisiae</i> . <i>Frontiers in Physiology</i> , 2014, 5, 444.	2.8	4
63	Inferring the Effects of Honokiol on the Notch Signaling Pathway in SW480 Colon Cancer Cells. <i>Cancer Informatics</i> , 2014, 13s5, CIN.S14060.	1.9	11
64	Metabolic network motifs can provide novel insights into evolution: The evolutionary origin of Eukaryotic organelles as a case study. <i>Computational Biology and Chemistry</i> , 2014, 53, 242-250.	2.3	4
65	Connecting the Dots: The Effects of Macromolecular Crowding on Cell Physiology. <i>Biophysical Journal</i> , 2014, 107, 2761-2766.	0.5	136
66	Single-molecule enzymology À la Michaelis-Menten. <i>FEBS Journal</i> , 2014, 281, 518-530.	4.7	56
67	Validity of the Michaelis-Menten equation – steady-state or reactant stationary assumption: that is the question. <i>FEBS Journal</i> , 2014, 281, 464-472.	4.7	122
68	The Circadian Clock in Oral Health and Diseases. <i>Journal of Dental Research</i> , 2014, 93, 27-35.	5.2	63
69	Unraveling intestinal stem cell behavior with models of crypt dynamics. <i>Integrative Biology (United Tj ETQq1 1 0.784314 rgBT/Overl</i>	1.3	68
70	Competitive inhibition reaction mechanisms for the two-step model of protein aggregation. <i>Biophysical Chemistry</i> , 2014, 193-194, 9-19.	2.8	4
71	Protein Interactions and Transition Times that Influence the Pathogenesis of Protein Folding Diseases. <i>Biophysical Journal</i> , 2014, 106, 33a.	0.5	0
72	Unravelling the impact of obstacles in diffusion and kinetics of an enzyme catalysed reaction. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4492-4503.	2.8	18

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73	A TWO-STEP KINETIC MODEL OF INSULIN AGGREGATION WITH A COMPETITIVE INHIBITOR. , 2014, , .		0
74	Abstract 357: A systems biology approach for rational molecular network inference. , 2014, , .		0
75	Abstract 20311: MYBPC3 Mutations Causative for Hypertrophic Cardiomyopathy Result in Locus-Dependent Alterations in Cellular Localization and Contractility. Circulation, 2014, 130, .	1.6	0
76	Network representations and methods for the analysis of chemical and biochemical pathways. Molecular BioSystems, 2013, 9, 2189.	2.9	20
77	IN20 FROM SINGLE CELL MOTILITY TO SIGNALLING AND METABOLIC INTEGRATION: HOW MATHEMATICAL AND PHYSICAL MODELS CAN HELP CONTROL METASTASES IN PERSONALIZED MEDICINE. Breast, 2013, 22, S24-S25.	2.2	0
78	Network motifs provide signatures that characterize metabolism. Molecular BioSystems, 2013, 9, 352.	2.9	28
79	Circadian rhythms regulate amelogenesis. Bone, 2013, 55, 158-165.	2.9	82
80	Designing nanoparticle treatment of autoimmunity with quantitative biology. Immunology and Cell Biology, 2013, 91, 333-334.	2.3	0
81	Follow-the-leader cell migration requires biased cell-cell contact and local microenvironmental signals. Physical Biology, 2013, 10, 035003.	1.8	34
82	Integration of Steady-State and Temporal Gene Expression Data for the Inference of Gene Regulatory Networks. PLoS ONE, 2013, 8, e72103.	2.5	15
83	More than Skew: Asymmetric Wave Propagation in a Reaction-Diffusion-Convection System. Biomath, 2013, 2, .	0.7	0
84	Hedgehog-responsive mesenchymal clusters direct patterning and emergence of intestinal villi. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15817-15822.	7.1	140
85	Computational modelling of cell chain migration reveals mechanisms that sustain follow-the-leader behaviour. Journal of the Royal Society Interface, 2012, 9, 1576-1588.	3.4	28
86	Unraveling the Complex Regulatory Relationships Between Metabolism and Signal Transduction in Cancer. Advances in Experimental Medicine and Biology, 2012, 736, 179-189.	1.6	8
87	Logic-based models in systems biology: a predictive and parameter-free network analysis method. Integrative Biology (United Kingdom), 2012, 4, 1323.	1.3	103
88	A Model of Threshold Behavior Reveals Rescue Mechanisms of Bystander Proteins in Conformational Diseases. Biophysical Journal, 2011, 100, 1864-1873.	0.5	9
89	A Graphical User Interface for a Method to Infer Kinetics and Network Architecture (MIKANA). PLoS ONE, 2011, 6, e27534.	2.5	6
90	Molecular and circadian controls of ameloblasts. European Journal of Oral Sciences, 2011, 119, 35-40.	1.5	42

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91	Macroscopic simulations of microtubule dynamics predict two steady-state processes governing array morphology. <i>Computational Biology and Chemistry</i> , 2011, 35, 269-281.	2.3	6
92	Expression of clock proteins in developing tooth. <i>Gene Expression Patterns</i> , 2011, 11, 202-206.	0.8	57
93	Effects of Protein Quality Control Machinery on Protein Homeostasis. , 2011, , 1-17.		0
94	Enzyme catalyzed reactions: From experiment to computational mechanism reconstruction. <i>Computational Biology and Chemistry</i> , 2010, 34, 11-18.	2.3	7
95	Stability of open pathways. <i>Mathematical Biosciences</i> , 2010, 228, 147-152.	1.9	13
96	Waves and patterning in developmental biology: vertebrate segmentation and feather bud formation as case studies. <i>International Journal of Developmental Biology</i> , 2009, 53, 783-794.	0.6	34
97	How can mathematics help us explore vertebrate segmentation?. <i>HFSP Journal</i> , 2009, 3, 1-5.	2.5	15
98	A Model of the Unfolded Protein Response: Pancreatic β -Cell as a Case Study. <i>Cellular Physiology and Biochemistry</i> , 2009, 23, 233-244.	1.6	22
99	Should digestion assays be used to estimate persistence of potential allergens in tests for safety of novel food proteins?. <i>Clinical and Molecular Allergy</i> , 2009, 7, 1.	1.8	35
100	Limit cycles in the presence of convection: a first-order analysis. <i>Journal of Mathematical Chemistry</i> , 2008, 43, 101-110.	1.5	0
101	Formation of monocarboxylic acids and polyols on a graphite surface. <i>Surface Science</i> , 2008, 602, 1053-1060.	1.9	4
102	The Intranuclear Environment. <i>Methods in Molecular Biology</i> , 2008, 463, 3-19.	0.9	12
103	Reactant Stationary Approximation in Enzyme Kinetics. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8654-8658.	2.5	64
104	Introduction. <i>Current Topics in Developmental Biology</i> , 2008, 81, xvii-xxv.	2.2	3
105	Mathematical Models for Somite Formation. <i>Current Topics in Developmental Biology</i> , 2008, 81, 183-203.	2.2	38
106	Coordinated Action of N-CAM, N-cadherin, EphA4, and ephrinB2 Translates Genetic Prepatterns into Structure during Somitogenesis in Chick. <i>Current Topics in Developmental Biology</i> , 2008, 81, 205-247.	2.2	31
107	Modelling reaction kinetics inside cells. <i>Essays in Biochemistry</i> , 2008, 45, 41-56.	4.7	70
108	Limit cycles in the presence of convection: A traveling wave analysis. <i>Physical Review E</i> , 2007, 76, 036216.	2.1	8

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109	Can tissue surface tension drive somite formation?. <i>Developmental Biology</i> , 2007, 307, 248-257.	2.0	30
110	From segment to somite: Segmentation to epithelialization analyzed within quantitative frameworks. <i>Developmental Dynamics</i> , 2007, 236, 1392-1402.	1.8	31
111	A test for measuring the effects of enzyme inactivation. <i>Biophysical Chemistry</i> , 2007, 125, 269-274.	2.8	21
112	The effects of time delays in a phosphorylation-dephosphorylation pathway. <i>Biophysical Chemistry</i> , 2007, 125, 286-297.	2.8	18
113	Reconstructing biochemical pathways from time course data. <i>Proteomics</i> , 2007, 7, 828-838.	2.2	40
114	Is the intrinsic disorder of proteins the cause of the scale-free architecture of protein-protein interaction networks?. <i>Proteomics</i> , 2007, 7, 961-964.	2.2	21
115	A Mesoscopic Simulation Approach for Modeling Intracellular Reactions. <i>Journal of Statistical Physics</i> , 2007, 128, 139-164.	1.2	13
116	Turing pattern outside of the Turing domain. <i>Applied Mathematics Letters</i> , 2007, 20, 959-963.	2.7	7
117	Multiscale Modeling in Biology. <i>American Scientist</i> , 2007, 95, 134.	0.1	70
118	Editorial: Unravelling the function and kinetics of biochemical networks. <i>IET Systems Biology</i> , 2006, 153, 139.	2.0	0
119	The mechanism distinguishability problem in biochemical kinetics: The single-enzyme, single-substrate reaction as a case study. <i>Comptes Rendus - Biologies</i> , 2006, 329, 51-61.	0.2	40
120	A clock and wavefront mechanism for somite formation. <i>Developmental Biology</i> , 2006, 293, 116-126.	2.0	114
121	A multiscale mathematical model of cancer, and its use in analyzing irradiation therapies. <i>Theoretical Biology and Medical Modelling</i> , 2006, 3, 7.	2.1	162
122	A systematic investigation of the rate laws valid in intracellular environments. <i>Biophysical Chemistry</i> , 2006, 124, 1-10.	2.8	102
123	Why substrate depletion has apparent first-order kinetics in enzymatic digestion. <i>Computational Biology and Chemistry</i> , 2006, 30, 209-214.	2.3	23
124	Unraveling the nature of the segmentation clock: Intrinsic disorder of clock proteins and their interaction map. <i>Computational Biology and Chemistry</i> , 2006, 30, 241-248.	2.3	12
125	A mathematical investigation of a Clock and Wavefront model for somitogenesis. <i>Journal of Mathematical Biology</i> , 2006, 52, 458-482.	1.9	40
126	How Reaction Kinetics with Time-Dependent Rate Coefficients Differs from Generalized Mass Action. <i>ChemPhysChem</i> , 2006, 7, 1422-1424.	2.1	19

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127	Use and abuse of the quasi-steady-state approximation. IET Systems Biology, 2006, 153, 187.	2.0	59
128	A mathematical formulation for the cell-cycle model in somitogenesis: analysis, parameter constraints and numerical solutions. Mathematical Medicine and Biology, 2004, 21, 85-113.	1.2	13
129	Reaction kinetics in intracellular environments with macromolecular crowding: simulations and rate laws. Progress in Biophysics and Molecular Biology, 2004, 85, 235-260.	2.9	323
130	New approaches to modelling and analysis of biochemical reactions, pathways and networks. Progress in Biophysics and Molecular Biology, 2004, 86, 1-4.	2.9	12
131	Mathematical and computational techniques to deduce complex biochemical reaction mechanisms. Progress in Biophysics and Molecular Biology, 2004, 86, 77-112.	2.9	137
132	Mechanism Equivalence in Enzyme-Substrate Reactions: Distributed Differential Delay in Enzyme Kinetics. Journal of Mathematical Chemistry, 2004, 35, 253-264.	1.5	30
133	Parametric sensitivity in chemical systems by Arvind Varma, Massimo Morbidelli and Hua Wu, 1999. Cambridge series in chemical engineering, Cambridge University Press. £60.00/\$90.00, ISBN:0-521-62171-2. Bulletin of Mathematical Biology, 2004, 66, 393-395.	1.9	0
134	Bulletin of mathematical biology?facts, figures and comparisons*1. Bulletin of Mathematical Biology, 2004, 66, 595-603.	1.9	0
135	Stochastic approaches for modelling in vivo reactions. Computational Biology and Chemistry, 2004, 28, 165-178.	2.3	273
136	The condition for pseudo-first-order kinetics in enzymatic reactions is independent of the initial enzyme concentration. Biophysical Chemistry, 2004, 107, 165-174.	2.8	41
137	Extracting Biochemical Reaction Kinetics from Time Series Data. Lecture Notes in Computer Science, 2004, , 329-336.	1.3	3
138	Formation of Vertebral Precursors: Past Models and Future Predictions. Journal of Theoretical Medicine, 2003, 5, 23-35.	0.5	14
139	Models for pattern formation in somitogenesis: a marriage of cellular and molecular biology. Comptes Rendus - Biologies, 2002, 325, 179-189.	0.2	24
140	Enzyme kinetics far from the standard quasi-steady-state and equilibrium approximations. Mathematical and Computer Modelling, 2002, 35, 137-144.	2.0	49
141	A fast method to estimate kinetic constants for enzyme inhibitors. , 2001, 49, 109-113.		11
142	Clock and induction model for somitogenesis. , 2000, 217, 415-420.		40
143	Time-dependent Closed Form Solutions for Fully Competitive Enzyme Reactions. Bulletin of Mathematical Biology, 2000, 62, 321-336.	1.9	41
144	Enzyme Kinetics at High Enzyme Concentration. Bulletin of Mathematical Biology, 2000, 62, 483-499.	1.9	149

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145	A Cell Cycle Model for Somitogenesis: Mathematical Formulation and Numerical Simulation. Journal of Theoretical Biology, 2000, 207, 305-316.	1.7	52
146	Enzyme kinetics of multiple alternative substrates. Journal of Mathematical Chemistry, 2000, 27, 155-170.	1.5	38
147	Enzymological Considerations for the Theoretical Description of the Quantitative Competitive Polymerase Chain Reaction (QC-PCR). Journal of Theoretical Biology, 1997, 184, 433-440.	1.7	65
148	Closed Form Solution for Time-dependent Enzyme Kinetics. Journal of Theoretical Biology, 1997, 187, 207-212.	1.7	224
149	Theoretical Description of the Polymerase Chain Reaction. Journal of Theoretical Biology, 1997, 188, 313-318.	1.7	52
150	Expression of sodium channels with different saxitoxin affinity during rat forebrain development. Developmental Brain Research, 1994, 81, 26-40.	1.7	8