

Michael C Mackey

List of Publications by Year in descending order

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183
papers

9,780
citations

41258

49
h-index

54797

84
g-index

192
all docs

192
docs citations

192
times ranked

4350
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymptotic (statistical) periodicity in two-dimensional maps. <i>Discrete and Continuous Dynamical Systems - Series B</i> , 2022, 27, 4285.	0.5	3
2	Operon dynamics with state dependent transcription and/or translation delays. <i>Journal of Mathematical Biology</i> , 2022, 84, 2.	0.8	6
3	The timing of cyclic cytotoxic chemotherapy can worsen neutropenia and neutrophilia. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 687-693.	1.1	14
4	Randomly switching evolution equations. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021, 39, 100948.	2.1	1
5	How can we describe density evolution under delayed dynamics?. <i>Chaos</i> , 2021, 31, 043114.	1.0	3
6	Understanding Normal and Pathological Hematopoietic Stem Cell Biology Using Mathematical Modelling. <i>Current Stem Cell Reports</i> , 2021, 7, 109-120.	0.7	6
7	Density Evolution Under Delayed Dynamics. <i>Fields Institute Monographs</i> , 2020, , .	0.4	1
8	Characterizing Chemotherapy-Induced Neutropenia and Monocytopenia Through Mathematical Modelling. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 104.	0.9	8
9	Periodic hematological disorders: Quintessential examples of dynamical diseases. <i>Chaos</i> , 2020, 30, 063123.	1.0	12
10	The Hopf Functional Approach. <i>Fields Institute Monographs</i> , 2020, , 45-78.	0.4	0
11	Density Evolution in Systems with Finite-Dimensional Dynamics. <i>Fields Institute Monographs</i> , 2020, , 9-16.	0.4	0
12	Turning a Differential Delay Equation into a High-Dimensional Map. <i>Fields Institute Monographs</i> , 2020, , 99-114.	0.4	0
13	Approximate "Liouville-Like" Equation and Invariant Densities for Delay Differential Equations. <i>Fields Institute Monographs</i> , 2020, , 115-130.	0.4	0
14	Origins of oscillation patterns in cyclical thrombocytopenia. <i>Journal of Theoretical Biology</i> , 2019, 462, 432-445.	0.8	12
15	Response of an oscillatory differential delay equation to a periodic stimulus. <i>Journal of Mathematical Biology</i> , 2019, 78, 1637-1679.	0.8	4
16	Neutropenia in Barth syndrome: characteristics, risks, and management. <i>Current Opinion in Hematology</i> , 2019, 26, 6-15.	1.2	35
17	The combined effects of Feller diffusion and transcriptional/translational bursting in simple gene networks. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 470, 931-953.	0.5	1
18	Cyclic thrombocytopenia with statistically significant neutrophil oscillations. <i>Clinical Case Reports (discontinued)</i> , 2018, 6, 1347-1352.	0.2	11

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19	Normal and pathological dynamics of platelets in humans. <i>Journal of Mathematical Biology</i> , 2017, 75, 1411-1462.	0.8	27
20	Response of an oscillatory differential delay equation to a single stimulus. <i>Journal of Mathematical Biology</i> , 2017, 74, 1139-1196.	0.8	4
21	An upper bound for the half-removal time of neutrophils from circulation. <i>Blood</i> , 2016, 128, 1989-1991.	0.6	6
22	Mathematical model of galactose regulation and metabolic consumption in yeast. <i>Journal of Theoretical Biology</i> , 2016, 407, 238-258.	0.8	3
23	Random Numbers from a Delay Equation. <i>Journal of Nonlinear Science</i> , 2016, 26, 1311-1327.	1.0	2
24	Simple Mathematical Models of Gene Regulatory Dynamics. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , .	0.1	15
25	Generic Deterministic Models of Prokaryotic Gene Regulation. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , 3-6.	0.1	1
26	A Mathematical Model of Granulopoiesis Incorporating the Negative Feedback Dynamics and Kinetics of G-CSF/Neutrophil Binding and Internalization. <i>Bulletin of Mathematical Biology</i> , 2016, 78, 2304-2357.	0.9	64
27	The limiting dynamics of a bistable molecular switch with and without noise. <i>Journal of Mathematical Biology</i> , 2016, 73, 367-395.	0.8	17
28	The Lysis-Lysogeny Switch. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , 99-114.	0.1	2
29	Noise Effects in Gene Regulation: Intrinsic Versus Extrinsic. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , 49-69.	0.1	0
30	Master Equation Modeling Approaches. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , 31-47.	0.1	0
31	The Tryptophan Operon. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , 87-97.	0.1	1
32	General Dynamic Considerations. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , 7-27.	0.1	0
33	The Lactose Operon. <i>Lecture Notes on Mathematical Modelling in the Life Sciences</i> , 2016, , 73-85.	0.1	0
34	The utility of simple mathematical models in understanding gene regulatory dynamics. <i>In Silico Biology</i> , 2015, 12, 23-53.	0.4	16
35	What Has Mathematics Done for Biology?. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 735-738.	0.9	16
36	Understanding, Treating and Avoiding Hematological Disease: Better Medicine Through Mathematics?. <i>Bulletin of Mathematical Biology</i> , 2015, 77, 739-757.	0.9	30

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37	Phosphate and ADP Differently Inhibit Coordinated Smooth Muscle Myosin Groups. <i>Biophysical Journal</i> , 2015, 108, 622-631.	0.2	7
38	Neutrophil dynamics during concurrent chemotherapy and G-CSF administration: Mathematical modelling guides dose optimisation to minimise neutropenia. <i>Journal of Theoretical Biology</i> , 2015, 385, 77-89.	0.8	37
39	Barth Syndrome: An Under-Recognized Cause of Chronic Neutropenia. <i>Blood</i> , 2015, 126, 2195-2195.	0.6	0
40	Application of Spectral Density/Periodogram Analysis to Serial Neutrophil Counts to Diagnose Cyclic Neutropenia. <i>Blood</i> , 2015, 126, 4608-4608.	0.6	0
41	Adiabatic reduction of a model of stochastic gene expression with jump Markov process. <i>Journal of Mathematical Biology</i> , 2014, 68, 1051-1070.	0.8	24
42	Dynamic spatial pattern formation in the sea urchin embryo. <i>Journal of Mathematical Biology</i> , 2014, 68, 581-608.	0.8	0
43	Understanding and Treating Cytopenia Through Mathematical Modeling. <i>Advances in Experimental Medicine and Biology</i> , 2014, 844, 279-302.	0.8	10
44	The Kinetics of Mechanically Coupled Myosins Exhibit Group Size-Dependent Regimes. <i>Biophysical Journal</i> , 2013, 105, 1466-1474.	0.2	27
45	Dynamic Behavior of Stochastic Gene Expression Models in the Presence of Bursting. <i>SIAM Journal on Applied Mathematics</i> , 2013, 73, 1830-1852.	0.8	54
46	Molecular Mechanical Differences between Isoforms of Contractile Actin in the Presence of Isoforms of Smooth Muscle Tropomyosin. <i>PLoS Computational Biology</i> , 2013, 9, e1003273.	1.5	9
47	Andrew Fielding Huxley (1917-2012). <i>Notices of the American Mathematical Society</i> , 2013, 60, 576.	0.1	1
48	Neutrophil dynamics after chemotherapy and G-CSF: The role of pharmacokinetics in shaping the response. <i>Journal of Theoretical Biology</i> , 2012, 315, 97-109.	0.8	34
49	Mathematical model of GAL regulon dynamics in <i>Saccharomyces cerevisiae</i> . <i>Journal of Theoretical Biology</i> , 2012, 293, 219-235.	0.8	11
50	Neutrophil dynamics in response to chemotherapy and G-CSF. <i>Journal of Theoretical Biology</i> , 2012, 293, 111-120.	0.8	31
51	The Mathematical Legacy of Andrzej Lasota. , 2012, 48, .	0.0	1
52	Small delay, big waves: a minimal delayed negative feedback model captures <i>Escherichia coli</i> single cell SOS kinetics. <i>Molecular BioSystems</i> , 2011, 7, 2599-2607.	2.9	6
53	Multistability in an age-structured model of hematopoiesis: Cyclical neutropenia. <i>Journal of Theoretical Biology</i> , 2011, 270, 143-153.	0.8	37
54	Molecular distributions in gene regulatory dynamics. <i>Journal of Theoretical Biology</i> , 2011, 274, 84-96.	0.8	42

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55	Deterministic Brownian motion generated from differential delay equations. <i>Physical Review E</i> , 2011, 84, 041105.	0.8	22
56	Mackey-Glass equation. <i>Scholarpedia Journal</i> , 2010, 5, 6908.	0.3	69
57	Mathematical model for G-CSF administration after chemotherapy. <i>Journal of Theoretical Biology</i> , 2009, 257, 27-44.	0.8	51
58	Dynamic hematological disease: a review. <i>Journal of Mathematical Biology</i> , 2009, 58, 285-322.	0.8	112
59	Understanding cyclical thrombocytopenia: A mathematical modeling approach. <i>Journal of Theoretical Biology</i> , 2008, 251, 297-316.	0.8	35
60	Central limit theorem behavior in the skew tent map. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 789-805.	2.5	7
61	Quantitative approaches to the study of bistability in the <i>lac</i> operon of <i>Escherichia coli</i> . <i>Journal of the Royal Society Interface</i> , 2008, 5, S29-39.	1.5	60
62	ELECTROMAGNETIC DARK ENERGY. <i>International Journal of Modern Physics D</i> , 2008, 17, 71-80.	0.9	16
63	Dynamic stability versus thermodynamic performance in a simple model for a Brownian motor. <i>Physical Review E</i> , 2008, 78, 061122.	0.8	8
64	A Proposed Mechanism for the Interaction of the Segmentation Clock and the Determination Front in Somitogenesis. <i>PLoS ONE</i> , 2008, 3, e1561.	1.1	32
65	Dynamics and density evolution in piecewise deterministic growth processes. <i>Annales Polonici Mathematici</i> , 2008, 94, 111-129.	0.2	28
66	ZEROPOINT FLUCTUATIONS AND DARK ENERGY IN JOSEPHSON JUNCTIONS. <i>Fluctuation and Noise Letters</i> , 2007, 07, C27-C35.	1.0	3
67	Bifurcation and Bistability in a Model of Hematopoietic Regulation. <i>SIAM Journal on Applied Dynamical Systems</i> , 2007, 6, 378-394.	0.7	24
68	Stochastic Differential Delay Equation, Moment Stability, and Application to Hematopoietic Stem Cell Regulation System. <i>SIAM Journal on Applied Mathematics</i> , 2007, 67, 387-407.	0.8	65
69	Origin of Bistability in the lac Operon. <i>Biophysical Journal</i> , 2007, 92, 3830-3842.	0.2	86
70	Measurability of vacuum fluctuations and dark energy. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007, 379, 101-110.	1.2	21
71	The segmentation clock in mice: Interaction between the Wnt and Notch signalling pathways. <i>Journal of Theoretical Biology</i> , 2007, 248, 37-47.	0.8	39
72	G-CSF treatment of canine cyclical neutropenia: A comprehensive mathematical model. <i>Experimental Hematology</i> , 2007, 35, 898-907.	0.2	23

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73	Oscillations in a Maturation Model of Blood Cell Production. SIAM Journal on Applied Mathematics, 2006, 66, 2027-2048.	0.8	6
74	Periodic Oscillations of Blood Cell Populations in Chronic Myelogenous Leukemia. SIAM Journal on Mathematical Analysis, 2006, 38, 166-187.	0.9	38
75	Observations on the Pathophysiology and Mechanisms for Cyclic Neutropenia. Mathematical Modelling of Natural Phenomena, 2006, 1, 45-69.	0.9	9
76	Modelling transcriptional feedback loops: the role of Gro/TLE1 in Hes1 oscillations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 1155-1170.	1.6	83
77	Noise and conditional entropy evolution. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 360-382.	1.2	9
78	Deterministic Brownian motion: The effects of perturbing a dynamical system by a chaotic semi-dynamical system. Physics Reports, 2006, 422, 167-222.	10.3	45
79	Cost-effective G-CSF therapy strategies for cyclical neutropenia: Mathematical modelling based hypotheses. Journal of Theoretical Biology, 2006, 238, 754-763.	0.8	48
80	Temporal Behavior of the Conditional and Gibbs's Entropies. Journal of Statistical Physics, 2006, 124, 1443-1470.	0.5	8
81	High frequency spikes in long period blood cell oscillations. Journal of Mathematical Biology, 2006, 53, 499-519.	0.8	22
82	A mathematical model of hematopoiesis I. Periodic chronic myelogenous leukemia. Journal of Theoretical Biology, 2005, 237, 117-132.	0.8	234
83	A mathematical model of hematopoiesis: II. Cyclical neutropenia. Journal of Theoretical Biology, 2005, 237, 133-146.	0.8	120
84	Could dark energy be measured in the lab?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 605, 295-300.	1.5	41
85	Dynamic behaviour of the B12 riboswitch. Physical Biology, 2005, 2, 29-35.	0.8	16
86	Long Period Oscillations in a GOModel of Hematopoietic Stem Cells. SIAM Journal on Applied Dynamical Systems, 2005, 4, 312-332.	0.7	76
87	Dynamics and bistability in a reduced model of the lac operon. Chaos, 2004, 14, 279-292.	1.0	80
88	Contribution to the study of periodic chronic myelogenous leukemia. Comptes Rendus - Biologies, 2004, 327, 235-244.	0.1	86
89	Bifurcations in a white-blood-cell production model. Comptes Rendus - Biologies, 2004, 327, 201-210.	0.1	49
90	Modeling operon dynamics: the tryptophan and lactose operons as paradigms. Comptes Rendus - Biologies, 2004, 327, 211-224.	0.1	31

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91	Influence of Catabolite Repression and Inducer Exclusion on the Bistable Behavior of the lac Operon. Biophysical Journal, 2004, 86, 1282-1292.	0.2	87
92	Oscillations in cyclical neutropenia: new evidence based on mathematical modeling. Journal of Theoretical Biology, 2003, 223, 283-298.	0.8	141
93	The rate of apoptosis in post mitotic neutrophil precursors of normal and neutropenic humans. Cell Proliferation, 2003, 36, 27-34.	2.4	34
94	Feedback Regulation in the Lactose Operon: A Mathematical Modeling Study and Comparison with Experimental Data. Biophysical Journal, 2003, 84, 2841-2851.	0.2	201
95	Analysis of Cell Kinetics Using a Cell Division Marker: Mathematical Modeling of Experimental Data. Biophysical Journal, 2003, 84, 3414-3424.	0.2	74
96	Relaxation Oscillations in a Class of Delay Differential Equations. SIAM Journal on Applied Mathematics, 2002, 63, 299-323.	0.8	50
97	Recurrent Inhibitory Dynamics: The Role of State-Dependent Distributions of Conduction Delay Times. Journal of Theoretical Biology, 2002, 216, 31-50.	0.8	20
98	Sufficient conditions for stability of linear differential equations with distributed delay. Discrete and Continuous Dynamical Systems - Series B, 2001, 1, 233-256.	0.5	81
99	Cell kinetic status of haematopoietic stem cells. Cell Proliferation, 2001, 34, 71-83.	2.4	113
100	Resonance in Periodic Chemotherapy: A Case Study of Acute Myelogenous Leukemia. Journal of Theoretical Biology, 2001, 209, 113-130.	0.8	59
101	Dynamic regulation of the tryptophan operon: A modeling study and comparison with experimental data. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 1364-1369.	3.3	109
102	Molecular, metabolic, and genetic control: An introduction. Chaos, 2001, 11, 81.	1.0	12
103	Dynamic behavior in mathematical models of the tryptophan operon. Chaos, 2001, 11, 261.	1.0	18
104	Cyclical Thrombocytopenia: Characterization by Spectral Analysis and a Review. Journal of Theoretical Medicine, 2000, 2, 81-91.	0.5	25
105	Modeling Complex Neutrophil Dynamics in the Grey Collie. Journal of Theoretical Biology, 2000, 204, 505-519.	0.8	63
106	Regulation of Platelet Production: The Normal Response to Perturbation and Cyclical Platelet Disease. Journal of Theoretical Biology, 2000, 206, 585-603.	0.8	60
107	Neural ensemble coding and statistical periodicity: Speculations on the operation of the mind's eye. Journal of Physiology (Paris), 2000, 94, 489-503.	2.1	18
108	Periodic chronic myelogenous leukaemia: spectral analysis of blood cell counts and aetiological implications. British Journal of Haematology, 1999, 104, 336-345.	1.2	89

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109	A new criterion for the global stability of simultaneous cell replication and maturation processes. <i>Journal of Mathematical Biology</i> , 1999, 38, 195-219.	0.8	44
110	Cell division and the stability of cellular populations. <i>Journal of Mathematical Biology</i> , 1999, 38, 241-261.	0.8	32
111	Occurrence of periodic oscillations in the differential blood counts of congenital, idiopathic, and cyclical neutropenic patients before and during treatment with G-CSF. <i>Experimental Hematology</i> , 1999, 27, 401-409.	0.2	81
112	Hematopoietic dynamics in grey collies. <i>Experimental Hematology</i> , 1999, 27, 1139-1148.	0.2	42
113	Hematopoietic Model with Moving Boundary Condition and State Dependent Delay: Applications in Erythropoiesis. <i>Journal of Theoretical Biology</i> , 1998, 190, 135-146.	0.8	165
114	Cyclical Neutropenia and the Peripheral Control of White Blood Cell Production. <i>Journal of Theoretical Biology</i> , 1998, 192, 167-181.	0.8	73
115	Cyclical Neutropenia and Other Periodic Hematological Disorders: A Review of Mechanisms and Mathematical Models. <i>Blood</i> , 1998, 92, 2629-2640.	0.6	209
116	Cyclical Neutropenia and Other Periodic Hematological Disorders: A Review of Mechanisms and Mathematical Models. <i>Blood</i> , 1998, 92, 2629-2640.	0.6	9
117	Universality classes for asymptotic behavior of relaxation processes in systems with dynamical disorder: Dynamical generalizations of stretched exponential. <i>Journal of Mathematical Physics</i> , 1996, 37, 2279-2306.	0.5	37
118	Evolution towards ergodic behavior of stationary fractal random processes with memory: application to the study of long-range correlations of nucleotide sequences in DNA. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 229, 312-342.	1.2	3
119	Self-similar potentials in random media, fractal evolutionary landscapes and Kimura's neutral theory of molecular evolution. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 229, 343-364.	1.2	2
120	Crossover from geometrical to stochastic fractal statistics for translationally invariant random distributions of independent particles in n-dimensional Euclidean space. <i>Chaos, Solitons and Fractals</i> , 1996, 7, 337-348.	2.5	0
121	Statistical fractals with cutoffs, Shlesinger-Hughes renormalization, and the onset of an epidemic. <i>Physical Review E</i> , 1996, 53, 1382-1398.	0.8	1
122	Nonequilibrium fluctuation-dissipation relations for independent random rate processes with dynamical disorder. <i>Journal of Mathematical Physics</i> , 1996, 37, 803.	0.5	25
123	Propagating fronts, chaos and multistability in a cell replication model. <i>Chaos</i> , 1996, 6, 477-492.	1.0	26
124	FRACTAL TIME, LONG-RANGE CORRELATIONS AND STRETCHED OR COMPRESSED EXPONENTIAL SURVIVAL STATISTICS. <i>Fractals</i> , 1996, 04, 59-72.	1.8	2
125	Fluctuating Poissonian clocks, fractal random processes and dynamical Porter-Thomas distributions: Applications to evolutionary molecular biology, enhanced diffusion and dynamical relaxation. <i>Physica Scripta</i> , 1996, 54, 581-593.	1.2	1
126	Dependence on initial conditions in nonlocal PDE's and hereditary dynamical systems. , 1996, , 3125-3136.		3

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127	Generating functional approach to multichannel parallel relaxation with application to the problem of direct energy transfer in fractal systems with dynamic disorder. <i>Journal of Mathematical Physics</i> , 1995, 36, 1834-1853.	0.5	34
128	Asymptotic stability of densities in coupled map lattices. <i>Physica D: Nonlinear Phenomena</i> , 1995, 80, 1-17.	1.3	14
129	Phase transitions in networks of chaotic elements with short and long range interactions. <i>Physica D: Nonlinear Phenomena</i> , 1995, 81, 177-203.	1.3	20
130	Propagation of population pulses and fronts in a cell replication problem: Non-locality and dependence on the initial function. <i>Physica D: Nonlinear Phenomena</i> , 1995, 86, 373-395.	1.3	20
131	Erratum to "Phase transitions in networks of chaotic elements with short and long range interactions" [Physica D 81 (1995) 177-203]. <i>Physica D: Nonlinear Phenomena</i> , 1995, 83, 499-500.	1.3	0
132	Transitions and kinematics of reaction-convection fronts in a cell population model. <i>Physica D: Nonlinear Phenomena</i> , 1995, 80, 120-139.	1.3	12
133	Passage over a random energy barrier with dynamical disorder. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 203, 292-299.	0.9	11
134	Long memory and scaling for multiplicative stochastic processes with application to the study of population oscillations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1995, 208, 99-107.	0.9	6
135	Maximum information entropy approach to non-markovian random jump processes with long memory: application to surprisal analysis in molecular dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 215, 339-360.	1.2	4
136	Jump clustering, Shlesinger-Hughes stochastic renormalization, and interacting Lévy flights. <i>Physical Review E</i> , 1995, 51, 3120-3125.	0.8	3
137	Coupled map lattices as models of deterministic and stochastic differential delay equations. <i>Physical Review E</i> , 1995, 52, 115-128.	0.8	19
138	Solution moment stability in stochastic differential delay equations. <i>Physical Review E</i> , 1995, 52, 3366-3376.	0.8	99
139	Stochastic renormalization-group approach to space-dependent supercritical branched chain processes. <i>Physical Review E</i> , 1995, 51, 3104-3119.	0.8	11
140	Age-structured and two-delay models for erythropoiesis. <i>Mathematical Biosciences</i> , 1995, 128, 317-346.	0.9	163
141	Evolution of probability densities in stochastic coupled map lattices. <i>Physical Review E</i> , 1995, 52, 1403-1417.	0.8	14
142	Chaos, Fractals, and Noise. <i>Applied Mathematical Sciences (Switzerland)</i> , 1994, , .	0.4	1,014
143	Statistical cycling in coupled map lattices. <i>Physical Review E</i> , 1994, 50, 843-856.	0.8	26
144	Generating functional approach to space- and time-dependent colored noise. <i>Physical Review E</i> , 1994, 50, 798-821.	0.8	23

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145	Coupling induced statistical cycling in two diffusively coupled maps. <i>Physica D: Nonlinear Phenomena</i> , 1994, 72, 324-342.	1.3	15
146	Global stability in a delayed partial differential equation describing cellular replication. <i>Journal of Mathematical Biology</i> , 1994, 33, 89-109.	0.8	80
147	Asymptotic Similarity and Malthusian Growth in Autonomous and Nonautonomous Populations. <i>Journal of Mathematical Analysis and Applications</i> , 1994, 187, 548-566.	0.5	10
148	Noise and stability in differential delay equations. <i>Journal of Dynamics and Differential Equations</i> , 1994, 6, 395-426.	1.0	27
149	Ensemble and trajectory statistics in a nonlinear partial differential equation. <i>Journal of Statistical Physics</i> , 1993, 70, 281-295.	0.5	3
150	Solution multistability in first-order nonlinear differential delay equations. <i>Chaos</i> , 1993, 3, 167-176.	1.0	92
151	Bifurcations and traveling waves in a delayed partial differential equation. <i>Chaos</i> , 1992, 2, 231-244.	1.0	20
152	The statistical dynamics of recurrent biological events. <i>Journal of Mathematical Biology</i> , 1992, 30, 775.	0.8	25
153	A Hopf-like equation and perturbation theory for differential delay equations. <i>Journal of Statistical Physics</i> , 1992, 69, 1025-1046.	0.5	12
154	Time's Arrow: The Origins of Thermodynamic Behavior. , 1992, , .		59
155	Asymptotic periodicity and banded chaos. <i>Physica D: Nonlinear Phenomena</i> , 1991, 53, 295-318.	1.3	19
156	Noise-induced asymptotic periodicity in a piecewise linear map. <i>Journal of Statistical Physics</i> , 1991, 63, 585-612.	0.5	13
157	Stability properties of proliferatively coupled cell replication models. <i>Acta Biotheoretica</i> , 1991, 39, 1-14.	0.7	15
158	Oscillatory modes in a nonlinear second-order differential equation with delay. <i>Journal of Dynamics and Differential Equations</i> , 1990, 2, 423-449.	1.0	30
159	Noise-induced global asymptotic stability. <i>Journal of Statistical Physics</i> , 1990, 60, 735-751.	0.5	31
160	Noise and critical behavior of the pupil light reflex at oscillation onset. <i>Physical Review A</i> , 1990, 41, 6992-7005.	1.0	133
161	The dynamic origin of increasing entropy. <i>Reviews of Modern Physics</i> , 1989, 61, 981-1015.	16.4	145
162	Commodity price fluctuations: Price dependent delays and nonlinearities as explanatory factors. <i>Journal of Economic Theory</i> , 1989, 48, 497-509.	0.5	154

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163	Consumer memory and price fluctuations in commodity markets: An integrodifferential model. <i>Journal of Dynamics and Differential Equations</i> , 1989, 1, 299-325.	1.0	83
164	Stochastic perturbation of dynamical systems: The weak convergence of measures. <i>Journal of Mathematical Analysis and Applications</i> , 1989, 138, 232-248.	0.5	22
165	Complex dynamics and bifurcations in neurology. <i>Journal of Theoretical Biology</i> , 1989, 138, 129-147.	0.8	76
166	Dynamical Diseases. <i>Annals of the New York Academy of Sciences</i> , 1987, 504, 16-32.	1.8	181
167	A Model for the Regulation of Mammalian Platelet Production. <i>Annals of the New York Academy of Sciences</i> , 1987, 504, 280-282.	1.8	34
168	Noise and statistical periodicity. <i>Physica D: Nonlinear Phenomena</i> , 1987, 28, 143-154.	1.3	31
169	A Mitotic Oscillator with a Strange Attractor and Distributions of Cell Cycle Times. <i>Lecture Notes in Biomathematics</i> , 1986, , 34-45.	0.3	8
170	A Deterministic Cell Cycle Model with Transition Probability-Like Behaviour. <i>Springer Series in Synergetics</i> , 1985, , 315-320.	0.2	7
171	Globally asymptotic properties of proliferating cell populations. <i>Journal of Mathematical Biology</i> , 1984, 19, 43-62.	0.8	76
172	The dynamics of recurrent inhibition. <i>Journal of Mathematical Biology</i> , 1984, 19, 211-225.	0.8	77
173	Chaos in neurobiology. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1983, SMC-13, 790-798.	0.9	128
174	The dynamics of production and destruction: Analytic insight into complex behavior. <i>Journal of Mathematical Biology</i> , 1982, 16, 75-101.	0.8	107
175	Minimizing therapeutically induced anemia. <i>Journal of Mathematical Biology</i> , 1981, 13, 149-158.	0.8	50
176	Unstable dynamics of a periodically driven oscillator in the presence of noise. <i>Journal of Theoretical Biology</i> , 1980, 86, 455-475.	0.8	66
177	The extinction of slowly evolving dynamical systems. <i>Journal of Mathematical Biology</i> , 1980, 10, 333-345.	0.8	16
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