Erik Mosekilde

List of Publications by Year
in descending order

230	5,585	76326	128289
papers	citations	40 h-index	60 g-index

256	256	256	2626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stochastic switching in systems with rare and hidden attractors. European Physical Journal: Special Topics, 2018, 227, 747-756.	2.6	4
2	Cascades of alternating pitchfork and flip bifurcations in H-bridge inverters. Physica D: Nonlinear Phenomena, 2017, 345, 27-39.	2.8	11
3	Coexistence between silent and bursting states in a biophysical Hodgkin-Huxley-type of model. Chaos, 2017, 27, 123101.	2.5	16
4	Disrupted bandcount doubling in an AC-DC boost PFC circuit modeled by a time varying map. Journal of Physics: Conference Series, 2016, 692, 012003.	0.4	0
5	Border collisions inside the stability domain of a fixed point. Physica D: Nonlinear Phenomena, 2016, 321-322, 1-15.	2.8	13
6	A classifier driven approach to find biomarkers for affective disorders from transcription profiles in blood. Advances in Precision Medicine, 2016, 1, 34.	0.3	1
7	Co-existing hidden attractors in a radio-physical oscillator system. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 125101.	2.1	102
8	Multistability and hidden attractors in a relay system with hysteresis. Physica D: Nonlinear Phenomena, 2015, 306, 6-15.	2.8	27
9	Multistability and hidden attractors in an impulsive Goodwin oscillator with time delay. European Physical Journal: Special Topics, 2015, 224, 1519-1539.	2.6	52
10	Onset of chaos in a single-phase power electronic inverter. Chaos, 2015, 25, 043114.	2.5	29
11	Multistability and hidden attractors in a multilevel DC/DC converter. Mathematics and Computers in Simulation, 2015, 109, 32-45.	4.4	95
12	Phase synchronized quasiperiodicity in power electronic inverter systems. Physica D: Nonlinear Phenomena, 2014, 268, 14-24.	2.8	21
13	Insulin aspart pharmacokinetics: An assessment of its variability and underlying mechanisms. European Journal of Pharmaceutical Sciences, 2014, 62, 65-75.	4.0	22
14	Generators of quasiperiodic oscillations with three-dimensional phase space. European Physical Journal: Special Topics, 2013, 222, 2391-2398.	2.6	17
15	Multistability and Torus Reconstruction in a DCâ€“DC Converter With Multilevel Control. IEEE Transactions on Industrial Informatics, 2013, 9, 1937-1946.	11.3	12
16	Complex Patterns of Metabolic and Ca2+ Entrainment in Pancreatic Islets by Oscillatory Glucose. Biophysical Journal, 2013, 105, 29-39.	0.5	40
17	On the structure of phase synchronized chaos. Chaos, Solitons and Fractals, 2013, 46, 28-37.	5.1	1
18	High-Feedback Operation of Power Electronic Converters. Electronics (Switzerland), 2013, 2, 113-167.	3.1	15

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19	The transition to chaotic phase synchronization. , 2012, , .		0
20	Bioavailability and variability of biphasic insulin mixtures. European Journal of Pharmaceutical Sciences, 2012, 46, 198-208.	4.0	18
21	A Comprehensive Approach to Benefitâ€“Risk Assessment in Drug Development. Basic and Clinical Pharmacology and Toxicology, 2012, 111, 65-72.	2.5	9
22	Dataâ€Driven Assessment of the Association of Polymorphisms in 5â€Fluorouracil Metabolism Genes with Outcome in Adjuvant Treatment of Colorectal Cancer. Basic and Clinical Pharmacology and Toxicology, 2012, 111, 189-197.	2.5	3
23	Bifurcation structure of the -type period-doubling transition. Physica D: Nonlinear Phenomena, 2012, 241, 488-496.	2.8	13
24	Torus-Bifurcation Mechanisms in a DC/DC Converter With Pulsewidth-Modulated Control. IEEE Transactions on Power Electronics, 2011, 26, 1270-1279.	7.9	34
25	Bistability in autoimmune diseases. Autoimmunity, 2011, 44, 256-260.	2.6	12
26	Synchronization of period-doubling oscillations in vascular coupled nephrons. Chaos, 2011, 21, 033128.	2.5	9
27	Modeling in Biomedical Research and Health Care. , 2011, , 1-18.		0
28	Advancing systems medicine and therapeutics through biosimulation. Interface Focus, 2011, 1, 3-6.	3.0	5
29	Concepts in Mechanism Based Modeling. , 2011, , 19-41.		0
30	The Approach to Model Building. , 2011, , 43-68.		0
31	Absorption Kinetics of Insulin Mixtures after Subcutaneous Administration. , 2011, , 329-359.		3
32	Coexisting tori and torus bubbling in non-smooth systems. Physica D: Nonlinear Phenomena, 2011, 240, 397-405.	2.8	10
33	Hyperbolic chaotic attractor in amplitude dynamics of coupled self-oscillators with periodic parameter modulation. Physical Review E, 2011, 84, 016228.	2.1	7
34	Excitation block in a nerve fibre model owing to potassium-dependent changes in myelin resistance. Interface Focus, 2011, 1, 86-100.	3.0	18
35	C-type period-doubling transition in nephron autoregulation. Interface Focus, 2011, 1, 132-142.	3.0	8
36	TORUS BIFURCATIONS IN MULTILEVEL CONVERTER SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2343-2356.	1.7	13

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37	Application of Dynamic Analysis in a Centralised Supply Chain. , 2011, , 33-53.		0
38	A study of renal blood flow regulation using the discrete wavelet transform. Proceedings of SPIE, 2010, , .	0.8	0
39	From multi-layered resonance tori to period-doubled ergodic tori. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2534-2538.	2.1	12
40	Two-mode dynamics in pulse-modulated control systems. Annual Reviews in Control, 2010, 34, 62-70.	7.9	8
41	CHARACTERIZATION OF RENAL BLOOD FLOW REGULATION BASED ON WAVELET COEFFICIENTS. Fluctuation and Noise Letters, 2010, 09, 259-270.	1.5	2
42	Coupling-induced complexity in nephron models of renal blood flow regulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R997-R1006.	1.8	14
43	PHASE CHAOS IN THE DISCRETE KURAMOTO MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1811-1823.	1.7	12
44	Exploring the Behaviour of a Centralised Supply Chain at Draeger Safety UK. International Journal of Information Systems and Supply Chain Management, 2009, 2, 34-54.	0.9	5
45	Absorption kinetics of insulin after subcutaneous administration. European Journal of Pharmaceutical Sciences, 2009, 36, 78-90.	4.0	86
46	The effect of L-NAME on intra- and inter-nephron synchronization. European Journal of Pharmaceutical Sciences, 2009, 36, 39-50.	4.0	5
47	Novel routes to chaos through torus breakdown in non-invertible maps. Physica D: Nonlinear Phenomena, 2009, 238, 589-602.	2.8	17
48	Multilayered tori in a system of two coupled logistic maps. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 946-951.	2.1	24
49	Rhythmic components in renal autoregulation: Nonlinear modulation phenomena. Chaos, Solitons and Fractals, 2009, 41, 930-938.	5.1	4
50	Equilibrium-torus bifurcation in nonsmooth systems. Physica D: Nonlinear Phenomena, 2008, 237, 930-936.	2.8	34
51	Direct transition from a stable equilibrium to quasiperiodicity in non-smooth systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2237-2246.	2.1	31
52	Phase chaos and multistability in the discrete Kuramoto model. Nonlinear Oscillations, 2008, 11, 229-241.	0.1	5
53	Giant Glial Cell: New Insight Through Mechanism-Based Modeling. Journal of Biological Physics, 2008, 34, 441-457.	1.5	18
54	Complexity in Neurology and Psychiatry. Journal of Biological Physics, 2008, 34, 249-252.	1.5	0

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55	Phase-modulation laser interference microscopy: an advance in cell imaging and dynamics study. Journal of Biomedical Optics, 2008, 13, 034004.	2.6	17
56	Non-invasive study of nerve fibres using laser interference microscopy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3463-3481.	3.4	17
57	DYNAMICS AND SYNCHRONIZATION OF NOISE PERTURBED ENSEMBLES OF PERIODICALLY ACTIVATED NEURON CELLS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 2807-2815.	1.7	10
58	MULTIPLE-ATTRACTOR BIFURCATIONS AND QUASIPERIODICITY IN PIECEWISE-SMOOTH MAPS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 1775-1789.	1.7	21
59	Characterizing multimode interaction in renal autoregulation. Physiological Measurement, 2008, 29, 945-958.	2.1	19
60	Transitions from phase-locked dynamics to chaos in a piecewise-linear map. Physical Review E, 2008, 77, 026206.	2.1	22
61	Formation and destruction of multilayered tori in coupled map systems. Chaos, 2008, 18, 037124.	2.5	9
62	Multimode dynamics in a network with resource mediated coupling. Chaos, 2008, 18, 015114.	2.5	7
63	Preface. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 3437-3444.	3.4	1
64	NOISE CONTROLLED SYNCHRONIZATION IN POTASSIUM COUPLED NEURAL MODELS. International Journal of Neural Systems, 2007, 17, 105-113.	5.2	20
65	Using wavelet analysis to detect the influence of low frequency magnetic fields on human physiological tremor. Physiological Measurement, 2007, 28, 321-333.	2.1	5
66	Synchronization among mechanisms of renal autoregulation is reduced in hypertensive rats. American Journal of Physiology - Renal Physiology, 2007, 293, F1545-F1555.	2.7	49
67	Vascular coupling induces synchronization, quasiperiodicity, and chaos in a nephron tree. Chaos, 2007, 17, 015114.	2.5	37
68	TRANSITION FROM A STABLE NODE EQUILIBRIUM TO QUASIPERIODICITY IN PIECEWISE-SMOOTH SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 218-223.	0.4	0
69	Quasiperiodicity and torus breakdown in a power electronic dc/dc converter. Mathematics and Computers in Simulation, 2007, 73, 364-377.	4.4	28
70	Nonlinear dynamic phenomena in the beer model. System Dynamics Review, 2007, 23, 229-252.	1.9	37
71	New insights offered by a computational model of deep brain stimulation. Journal of Physiology (Paris), 2007, 101, 56-63.	2.1	19
72	Border collision route to quasiperiodicity: Numerical investigation and experimental confirmation. Chaos, 2006, 16, 023122.	2.5	84

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73	Torus birth bifurcations in a DC/DC converter. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 1839-1850.	0.1	66
74	MULTIPLE ATTRACTOR BIFURCATIONS IN A PIECEWISE-SMOOTH MAP WITH QUASIPERIODICITY. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 427-432.	0.4	7
75	Border-collision bifurcations in a dynamic management game. Computers and Operations Research, 2006, 33, 464-478.	4.0	45
76	Synchronization in systems with bimodal dynamics. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 280-292.	2.6	2
77	Numerical experiments with MG continuation algorithms. Applied Numerical Mathematics, 2006, 56, 844-861.	2.1	5
78	Birth of bilayered torus and torus breakdown in a piecewise-smooth dynamical system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 167-174.	2.1	34
79	Role of the driving frequency in a randomly perturbed Hodgkin-Huxley neuron with suprathreshold forcing. European Physical Journal B, 2006, 53, 529-536.	1.5	14
80	Preface. Journal of Biological Physics, 2006, 32, 183-189.	1.5	0
81	Unraveling Cell Processes: Interference Imaging Interwoven with Data Analysis. Journal of Biological Physics, 2006, 32, 191-208.	1.5	39
82	Application of wavelet-based tools to study the dynamics of biological processes. Briefings in Bioinformatics, 2006, 7, 375-389.	6.5	36
83	Low-Dimensional Chaos in Populations of Strongly-Coupled Noisy Maps. Progress of Theoretical Physics Supplement, 2006, 161, 27-42.	0.1	4
84	Border-Collision Bifurcations in a DC/DC Converter with Multilevel Pulse-Width Modulation. , 2006, , .		0
85	NEURAL SYNCHRONIZATION VIA POTASSIUM SIGNALING. International Journal of Neural Systems, 2006, 16, 99-109.	5.2	12
86	An integrated frame-of-reference for modelling management systems. Human Systems Management, 2006, 25, 247-254.	1.1	2
87	Resonant activation in a stochastic Hodgkin-Huxley model: Interplay between noise and suprathreshold driving effects. European Physical Journal B, 2005, 45, 391-397.	1.5	56
88	Mechanism-Based Modeling of Complex Biomedical Systems. Basic and Clinical Pharmacology and Toxicology, 2005, 96, 212-224.	2.5	8
89	Effects of microscopic disorder on the collective dynamics of globally coupled maps. Physica D: Nonlinear Phenomena, 2005, 205, 25-40.	2.8	10
90	Synchronization in ensembles of coupled maps with a major element. Discrete Dynamics in Nature and Society, 2005, 2005, 239-255.	0.9	4

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91	Double-wavelet approach to studying the modulation properties of nonstationary multimode dynamics. Physiological Measurement, 2005, 26, 351-362.	2.1	27
92	Oscillator clustering in a resource distribution chain. Chaos, 2005, 15, 013704.	2.5	13
93	Interference Microscopy under Double-Wavelet Analysis: A New Approach to Studying Cell Dynamics. Physical Review Letters, 2005, 94, 218103.	7.8	34
94	Two-mode chaos and its synchronization properties. Physical Review E, 2005, 72, 056208.	2.1	7
95	HYPERBOLIC PLYKIN ATTRACTOR CAN EXIST IN NEURON MODELS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 3567-3578.	1.7	31
96	CHAOTIC SYNCHRONIZATION AND ANTISYNCHRONIZATION IN COUPLED SINE MAPS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2005, 15, 2161-2177.	1.7	1
97	Double-wavelet approach to study frequency and amplitude modulation in renal autoregulation. Physical Review E, 2004, 70, 031915.	2.1	46
98	Noise-Induced Macroscopic Bifurcations in Globally Coupled Chaotic Units. Physical Review Letters, 2004, 92, 254101.	7.8	20
99	Analysis of the noise-induced bursting-spiking transition in a pancreaticÎ²-cell model. Physical Review E, 2004, 69, 041910.	2.1	19
100	INTER-PATTERN TRANSITIONS IN A NOISY BURSTING CELL. Fluctuation and Noise Letters, 2004, 04, L521-L533.	1.5	14
101	CATASTROPHE THEORETIC CLASSIFICATION OF NONLINEAR OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 1241-1266.	1.7	11
102	Synchronization between interacting ensembles of globally coupled chaotic maps. Physica D: Nonlinear Phenomena, 2004, 199, 45-60.	2.8	5
103	Synchronization of tubular pressure oscillations in interacting nephrons. Chaos, Solitons and Fractals, 2003, 15, 343-369.	5.1	16
104	Scaling features of multimode motions in coupled chaotic oscillators. Chaos, Solitons and Fractals, 2003, 16, 801-810.	5.1	25
105	Quasi-periodicity and border-collision bifurcations in a DC-DC converter with pulsewidth modulation. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 1047-1057.	0.1	63
106	Coherent Regimes of Globally Coupled Dynamical Systems. Physical Review Letters, 2003, 90, 054102.	7.8	60
107	Torus breakdown in noninvertible maps. Physical Review E, 2003, 67, 046215.	2.1	19
108	Synchronization of time-continuous chaotic oscillators. Chaos, 2003, 13, 388-400.	2.5	19

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109	Complex phase dynamics in coupled bursters. Physical Review E, 2003, 67, 016215.	2.1	9
110	Bimodal oscillations in nephron autoregulation. Physical Review E, 2002, 66, 061909.	2.1	51
111	Phase multistability of self-modulated oscillations. Physical Review E, 2002, 66, 036224.	2.1	10
112	Transitions betweenÎ²andÎ³rhythms in neural systems. Physical Review E, 2002, 66, 041901.	2.1	14
113	Quantitative Effects of Medium Hardness and Nutrient Availability on the Swarming Motility of Serratia liquefaciens. Bulletin of Mathematical Biology, 2002, 64, 565-587.	1.9	18
114	Border-collision bifurcations on a two-dimensional torus. Chaos, Solitons and Fractals, 2002, 13, 1889-1915.	5.1	45
115	Particle in the Brusselator model with flow. Physica D: Nonlinear Phenomena, 2002, 163, 80-88.	2.8	8
116	Role of asymmetric clusters in desynchronization of coherent motion. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 171-181.	2.1	18
117	Multiscality in the dynamics of coupled chaotic systems. Physica A: Statistical Mechanics and Its Applications, 2002, 316, 233-249.	2.6	30
118	Nonlinear characteristics of randomly excited transonic flutter. Mathematics and Computers in Simulation, 2002, 58, 385-405.	4.4	11
119	Border-Collision Bifurcations on a Two-Dimensional Torus and Transitions to Chaos in a Control System with Pulse-Width Modulation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 155-160.	0.4	0
120	Loss of synchronization in coupled RÃ¶ssler systems. Physica D: Nonlinear Phenomena, 2001, 154, 26-42.	2.8	40
121	Bifurcation structure of a model of bursting pancreatic cells. BioSystems, 2001, 63, 3-13.	2.0	58
122	Transition to synchronized chaos via suppression of the natural dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 283, 195-200.	2.1	9
123	Coupled map lattices with complex order parameter. Physica A: Statistical Mechanics and Its Applications, 2001, 291, 299-316.	2.6	5
124	Two-parameter analysis of the scaling behavior at the onset of chaos: tricritical and pseudo-tricritical points. Physica A: Statistical Mechanics and Its Applications, 2001, 300, 367-385.	2.6	7
125	Partial synchronization and clustering in a system of diffusively coupled chaotic oscillators. Mathematics and Computers in Simulation, 2001, 54, 491-508.	4.4	43
126	Synchronization phenomena in nephronâ€“nephron interaction. Chaos, 2001, 11, 417-426.	2.5	72

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127	BORDER-COLLISION BIFURCATIONS AND CHAOTIC OSCILLATIONS IN A PIECEWISE-SMOOTH DYNAMICAL SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 2977-3001.	1.7	46
128	COOPERATIVE PHASE DYNAMICS IN COUPLED NEPHRONS. International Journal of Modern Physics B, 2001, 15, 3079-3098.	2.0	27
129	DYNAMICAL SYSTEMS OF DIFFERENT CLASSES AS MODELS OF THE KICKED NONLINEAR OSCILLATOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 1065-1077.	1.7	16
130	BIFURCATIONS AND CHAOTIC OSCILLATIONS IN AN AUTOMATIC CONTROL RELAY SYSTEM WITH HYSTERESIS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 1193-1231.	1.7	24
131	Cluster synchronization modes in an ensemble of coupled chaotic oscillators. Physical Review E, 2001, 63, 036216.	2.1	162
132	Scaling properties of bicritical dynamics in unidirectionally coupled period-doubling systems in the presence of noise. Physical Review E, 2001, 64, 066207.	2.1	5
133	Chaotic dynamics from interspike intervals. Physical Review E, 2001, 63, 036205.	2.1	24
134	Transcritical riddling in a system of coupled maps. Physical Review E, 2001, 63, 036201.	2.1	12
135	SHIFT OF THE SYNCHRONIZED STATE IN A SYSTEM OF TWO COUPLED NONINDENTICAL OSCILLATORS. , 2000, , .		0
136	Modeling the Insulinâ€“Glucose Feedback System: The Significance of Pulsatile Insulin Secretion. Journal of Theoretical Biology, 2000, 207, 361-375.	1.7	176
137	Using system dynamics to analyse interactions in duopoly competition. System Dynamics Review, 2000, 16, 113-133.	1.9	34
138	Transcritical loss of synchronization in coupled chaotic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 275, 401-406.	2.1	19
139	The interaction of thin-film flow, bacterial swarming and cell differentiation in colonies of Serratia liquefaciens. Journal of Mathematical Biology, 2000, 40, 27-63.	1.9	48
140	Homoclinic bifurcations leading to the emergence of bursting oscillations in cell models. European Physical Journal E, 2000, 3, 205-219.	1.6	65
141	Type-II intermittency in a class of two coupled one-dimensional maps. Discrete Dynamics in Nature and Society, 2000, 5, 233-245.	0.9	1
142	Bifurcation analysis of the Henon map. Discrete Dynamics in Nature and Society, 2000, 5, 203-221.	0.9	12
143	Invariant manifolds and cluster synchronization in a family of locally coupled map lattices. Discrete Dynamics in Nature and Society, 2000, 4, 245-256.	0.9	11
144	Chaotic synchronization in a system of two coupled Î²-cells. AIP Conference Proceedings, 2000, , .	0.4	0

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145	Extracting dynamics from return times. AIP Conference Proceedings, 2000, , .	0.4	1
146	EFFECTS OF A PARAMETER MISMATCH ON THE SYNCHRONIZATION OF TWO COUPLED CHAOTIC OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2629-2648.	1.7	28
147	CHAOTIC HIERARCHY IN HIGH DIMENSIONS. International Journal of Modern Physics B, 2000, 14, 2511-2527.	2.0	9
148	Extracting dynamics from threshold-crossing interspike intervals: Possibilities and limitations. Physical Review E, 2000, 61, 5033-5044.	2.1	23
149	Comment on â€œFlow-distributed oscillations: Stationary chemical waves in a reacting flowâ€. Physical Review E, 2000, 62, 2992-2993.	2.1	13
150	Dynamical system approach to phyllotaxis. Physical Review E, 2000, 61, 354-365.	2.1	5
151	Chaotic Synchronization between Coupled Pancreatic Î²-Cells. Progress of Theoretical Physics Supplement, 2000, 139, 164-177.	0.1	18
152	PARTIAL SYNCHRONIZATION IN A SYSTEM OF COUPLED LOGISTIC MAPS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1051-1066.	1.7	20
153	Homoclinic Bifurcation as a Mechanism of Chaotic Phase Synchronization. Physical Review Letters, 1999, 83, 1942-1945.	7.8	9
154	Loss of lag synchronization in coupled chaotic systems. Physical Review E, 1999, 60, 6560-6565.	2.1	27
155	Stationary space-periodic structures with equal diffusion coefficients. Physical Review E, 1999, 60, 297-301.	2.1	93
156	Desynchronization of chaos in coupled logistic maps. Physical Review E, 1999, 60, 2817-2830.	2.1	40
157	Synchronization in driven chaotic systems: Diagnostics and bifurcations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 253, 66-74.	2.1	24
158	Unfolding of the riddling bifurcation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 262, 355-360.	2.1	10
159	Bifurcation analysis of spiral growth processes in plants. Mathematics and Computers in Simulation, 1999, 49, 41-56.	4.4	3
160	Role of multistability in the transition to chaotic phase synchronization. Chaos, 1999, 9, 227-232.	2.5	60
161	Riddled basins of attraction for synchronized type-I intermittency. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 238, 358-364.	2.1	6
162	Parametric transverse patterns in broad aperture lasers. Dynamical Systems, 1998, 13, 319-336.	0.7	3

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163	Transverse instability and riddled basins in a system of two coupled logistic maps. Physical Review E, 1998, 57, 2713-2724.	2.1	103
164	Role of the Absorbing Area in Chaotic Synchronization. Physical Review Letters, 1998, 80, 1638-1641.	7.8	56
165	Re-Entrant Hexagons and Locked Turingâ€“Hopf Fronts in the CIMA Reaction. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1003-1012.	1.7	8
166	Torus Destruction and Chaosâ€“Chaos Intermittency in a Commodity Distribution Chain. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 1225-1242.	1.7	22
167	Absolute and convective instabilities in a one-dimensional Brusselator flow model. Journal of Chemical Physics, 1997, 106, 7609-7616.	3.0	94
168	Anomalous Statistics for Type-III Intermittency. Open Systems and Information Dynamics, 1997, 4, 393-405.	1.2	7
169	Comments on the Theory of Unimodal Maps. Open Systems and Information Dynamics, 1997, 4, 379-392.	1.2	1
170	Gene therapy of T helper cells in HIV infection: Mathematical model of the criteria for clinical effect. Bulletin of Mathematical Biology, 1997, 59, 725-745.	1.9	25
171	Gene therapy of T helper cells in HIV infection: Mathematical model of the criteria for clinical effect. Bulletin of Mathematical Biology, 1997, 59, 725-745.	1.9	5
172	Economic Cycles in a Behavioral Disequilibrium Perspective. Lecture Notes in Economics and Mathematical Systems, 1997, , 29-49.	0.3	0
173	Quantification of remodeling parameter sensitivityâ€”assessed by a computer simulation model. Bone, 1996, 19, 505-511.	2.9	13
174	Nonlinear dynamics of a vectored thrust aircraft. Physica Scripta, 1996, T67, 176-183.	2.5	12
175	Bifurcation structure of an optical ring cavity. Physica Scripta, 1996, T67, 167-175.	2.5	2
176	Computer simulation of Turing structures in the chlorite-iodide-malonic acid system. Physica Scripta, 1996, 53, 243-251.	2.5	23
177	Bifurcations in two coupled RÃ¶ssler systems. Mathematics and Computers in Simulation, 1996, 40, 247-270.	4.4	34
178	Pattern formation in the bistable Gray-Scott model. Mathematics and Computers in Simulation, 1996, 40, 371-396.	4.4	65
179	Computerized determination of 3-D connectivity density in human iliac crest bone biopsies. Mathematics and Computers in Simulation, 1996, 40, 411-423.	4.4	8
180	One-dimensional map lattices: Synchronization, bifurcations, and chaotic structures. Physical Review E, 1996, 54, 3196-3203.	2.1	31

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181	Bifurcation analysis of nephron pressure and flow regulation. Chaos, 1996, 6, 280-287.	2.5	70
182	WAVE-SPLITTING IN THE BISTABLE GRAY-SCOTT MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1996, 06, 1077-1092.	1.7	23
183	Mode-locking and chaos in a model of two coupled thermostatically controlled radiators. Open Systems and Information Dynamics, 1995, 3, 201-213.	1.2	0
184	Dynamics of a food web model of an aquatic ecosystem. Open Systems and Information Dynamics, 1995, 3, 237-254.	1.2	0
185	Entrainment in a disaggregated economic long wave model. Open Systems and Information Dynamics, 1995, 3, 255-274.	1.2	3
186	Modeâ€locking and entrainment of endogenous economic cycles. System Dynamics Review, 1995, 11, 177-198.	1.9	26
187	Emergence of quasiperiodicity in symmetrically coupled, identical period-doubling systems. Physical Review E, 1995, 52, 1418-1435.	2.1	37
188	Phaseâ€locking regions in a forced model of slow insulin and glucose oscillations. Chaos, 1995, 5, 193-199.	2.5	34
189	Deterministic analysis of the probability machine. Physica Scripta, 1995, 51, 35-45.	2.5	8
190	Localized structures and front propagation in the Lengyel-Epstein model. Physical Review E, 1994, 50, 736-749.	2.1	53
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