

Erik Mosekilde

List of Publications by Year in descending order

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230
papers

5,585
citations

76326

40
h-index

128289

60
g-index

256
all docs

256
docs citations

256
times ranked

2626
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the Insulin-Glucose Feedback System: The Significance of Pulsatile Insulin Secretion. <i>Journal of Theoretical Biology</i> , 2000, 207, 361-375.	1.7	176
2	Cluster synchronization modes in an ensemble of coupled chaotic oscillators. <i>Physical Review E</i> , 2001, 63, 036216.	2.1	162
3	Modeling absorption kinetics of subcutaneous injected soluble insulin. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 1989, 17, 67-87.	0.6	114
4	Transverse instability and riddled basins in a system of two coupled logistic maps. <i>Physical Review E</i> , 1998, 57, 2713-2724.	2.1	103
5	Co-existing hidden attractors in a radio-physical oscillator system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 125101.	2.1	102
6	Multistability and hidden attractors in a multilevel DC/DC converter. <i>Mathematics and Computers in Simulation</i> , 2015, 109, 32-45.	4.4	95
7	Absolute and convective instabilities in a one-dimensional Brusselator flow model. <i>Journal of Chemical Physics</i> , 1997, 106, 7609-7616.	3.0	94
8	Stationary space-periodic structures with equal diffusion coefficients. <i>Physical Review E</i> , 1999, 60, 297-301.	2.1	93
9	Absorption kinetics of insulin after subcutaneous administration. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 36, 78-90.	4.0	86
10	Border collision route to quasiperiodicity: Numerical investigation and experimental confirmation. <i>Chaos</i> , 2006, 16, 023122.	2.5	84
11	Deterministic chaos in the beer production distribution model. <i>System Dynamics Review</i> , 1988, 4, 131-147.	1.9	79
12	Synchronization phenomena in nephron-nephron interaction. <i>Chaos</i> , 2001, 11, 417-426.	2.5	72
13	Bifurcation analysis of nephron pressure and flow regulation. <i>Chaos</i> , 1996, 6, 280-287.	2.5	70
14	Torus birth bifurcations in a DC/DC converter. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006, 53, 1839-1850.	0.1	66
15	Pattern formation in the bistable Gray-Scott model. <i>Mathematics and Computers in Simulation</i> , 1996, 40, 371-396.	4.4	65
16	Homoclinic bifurcations leading to the emergence of bursting oscillations in cell models. <i>European Physical Journal E</i> , 2000, 3, 205-219.	1.6	65
17	Quasi-periodicity and border-collision bifurcations in a DC-DC converter with pulsewidth modulation. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003, 50, 1047-1057.	0.1	63
18	Role of multistability in the transition to chaotic phase synchronization. <i>Chaos</i> , 1999, 9, 227-232.	2.5	60

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19	Coherent Regimes of Globally Coupled Dynamical Systems. <i>Physical Review Letters</i> , 2003, 90, 054102.	7.8	60
20	Bifurcation structure of a model of bursting pancreatic cells. <i>BioSystems</i> , 2001, 63, 3-13.	2.0	58
21	Role of the Absorbing Area in Chaotic Synchronization. <i>Physical Review Letters</i> , 1998, 80, 1638-1641.	7.8	56
22	Resonant activation in a stochastic Hodgkin-Huxley model: Interplay between noise and suprathreshold driving effects. <i>European Physical Journal B</i> , 2005, 45, 391-397.	1.5	56
23	Localized structures and front propagation in the Lengyel-Epstein model. <i>Physical Review E</i> , 1994, 50, 736-749.	2.1	53
24	Multistability and hidden attractors in an impulsive Goodwin oscillator with time delay. <i>European Physical Journal: Special Topics</i> , 2015, 224, 1519-1539.	2.6	52
25	Bimodal oscillations in nephron autoregulation. <i>Physical Review E</i> , 2002, 66, 061909.	2.1	51
26	Synchronization among mechanisms of renal autoregulation is reduced in hypertensive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1545-F1555.	2.7	49
27	The interaction of thin-film flow, bacterial swarming and cell differentiation in colonies of <i>Serratia liquefaciens</i> . <i>Journal of Mathematical Biology</i> , 2000, 40, 27-63.	1.9	48
28	Nonlinear mode-interaction in the macroeconomy. <i>Annals of Operations Research</i> , 1992, 37, 185-215.	4.1	47
29	BORDER-COLLISION BIFURCATIONS AND CHAOTIC OSCILLATIONS IN A PIECEWISE-SMOOTH DYNAMICAL SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001, 11, 2977-3001.	1.7	46
30	Double-wavelet approach to study frequency and amplitude modulation in renal autoregulation. <i>Physical Review E</i> , 2004, 70, 031915.	2.1	46
31	Instabilities and chaos in nonlinear dynamic systems. <i>System Dynamics Review</i> , 1988, 4, 14-55.	1.9	45
32	Stochastic simulation of vertebral trabecular bone remodeling. <i>Bone</i> , 1994, 15, 655-666.	2.9	45
33	Border-collision bifurcations on a two-dimensional torus. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 1889-1915.	5.1	45
34	Border-collision bifurcations in a dynamic management game. <i>Computers and Operations Research</i> , 2006, 33, 464-478.	4.0	45
35	Partial synchronization and clustering in a system of diffusively coupled chaotic oscillators. <i>Mathematics and Computers in Simulation</i> , 2001, 54, 491-508.	4.4	43
36	Bifurcations and chaotic behavior in a simple model of the economic long wave. <i>System Dynamics Review</i> , 1985, 1, 92-110.	1.9	42

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37	Mode locking and spatiotemporal chaos in periodically driven Gunn diodes. <i>Physical Review B</i> , 1990, 41, 2298-2306.	3.2	41
38	Desynchronization of chaos in coupled logistic maps. <i>Physical Review E</i> , 1999, 60, 2817-2830.	2.1	40
39	Loss of synchronization in coupled Rössler systems. <i>Physica D: Nonlinear Phenomena</i> , 2001, 154, 26-42.	2.8	40
40	Complex Patterns of Metabolic and Ca ²⁺ Entrainment in Pancreatic Islets by Oscillatory Glucose. <i>Biophysical Journal</i> , 2013, 105, 29-39.	0.5	40
41	Unraveling Cell Processes: Interference Imaging Interwoven with Data Analysis. <i>Journal of Biological Physics</i> , 2006, 32, 191-208.	1.5	39
42	Emergence of quasiperiodicity in symmetrically coupled, identical period-doubling systems. <i>Physical Review E</i> , 1995, 52, 1418-1435.	2.1	37
43	Vascular coupling induces synchronization, quasiperiodicity, and chaos in a nephron tree. <i>Chaos</i> , 2007, 17, 015114.	2.5	37
44	Nonlinear dynamic phenomena in the beer model. <i>System Dynamics Review</i> , 2007, 23, 229-252.	1.9	37
45	Bifurcations and chaos in a generic management model. <i>European Journal of Operational Research</i> , 1988, 35, 80-88.	5.7	36
46	The significance of an erroneous recording of the centre of mandibular rotation in orthognathic surgery. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 1991, 19, 254-259.	1.7	36
47	Application of wavelet-based tools to study the dynamics of biological processes. <i>Briefings in Bioinformatics</i> , 2006, 7, 375-389.	6.5	36
48	Phase-locking regions in a forced model of slow insulin and glucose oscillations. <i>Chaos</i> , 1995, 5, 193-199.	2.5	34
49	Bifurcations in two coupled Rössler systems. <i>Mathematics and Computers in Simulation</i> , 1996, 40, 247-270.	4.4	34
50	Using system dynamics to analyse interactions in duopoly competition. <i>System Dynamics Review</i> , 2000, 16, 113-133.	1.9	34
51	Interference Microscopy under Double-Wavelet Analysis: A New Approach to Studying Cell Dynamics. <i>Physical Review Letters</i> , 2005, 94, 218103.	7.8	34
52	Birth of bilayered torus and torus breakdown in a piecewise-smooth dynamical system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 351, 167-174.	2.1	34
53	Equilibrium-torus bifurcation in nonsmooth systems. <i>Physica D: Nonlinear Phenomena</i> , 2008, 237, 930-936.	2.8	34
54	Torus-Bifurcation Mechanisms in a DC/DC Converter With Pulsewidth-Modulated Control. <i>IEEE Transactions on Power Electronics</i> , 2011, 26, 1270-1279.	7.9	34

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55	One-dimensional map lattices: Synchronization, bifurcations, and chaotic structures. <i>Physical Review E</i> , 1996, 54, 3196-3203.	2.1	31
56	HYPERBOLIC PLYKIN ATTRACTOR CAN EXIST IN NEURON MODELS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005, 15, 3567-3578.	1.7	31
57	Direct transition from a stable equilibrium to quasiperiodicity in non-smooth systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2237-2246.	2.1	31
58	Empirical indication of economic long waves in aggregate production. <i>European Journal of Operational Research</i> , 1989, 42, 279-293.	5.7	30
59	Multiscality in the dynamics of coupled chaotic systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 316, 233-249.	2.6	30
60	Onset of chaos in a single-phase power electronic inverter. <i>Chaos</i> , 2015, 25, 043114.	2.5	29
61	EFFECTS OF A PARAMETER MISMATCH ON THE SYNCHRONIZATION OF TWO COUPLED CHAOTIC OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 2629-2648.	1.7	28
62	Quasiperiodicity and torus breakdown in a power electronic dc/dc converter. <i>Mathematics and Computers in Simulation</i> , 2007, 73, 364-377.	4.4	28
63	Loss of lag synchronization in coupled chaotic systems. <i>Physical Review E</i> , 1999, 60, 6560-6565.	2.1	27
64	COOPERATIVE PHASE DYNAMICS IN COUPLED NEPHRONS. <i>International Journal of Modern Physics B</i> , 2001, 15, 3079-3098.	2.0	27
65	Double-wavelet approach to studying the modulation properties of nonstationary multimode dynamics. <i>Physiological Measurement</i> , 2005, 26, 351-362.	2.1	27
66	Multistability and hidden attractors in a relay system with hysteresis. <i>Physica D: Nonlinear Phenomena</i> , 2015, 306, 6-15.	2.8	27
67	Mode-locking and entrainment of endogenous economic cycles. <i>System Dynamics Review</i> , 1995, 11, 177-198.	1.9	26
68	X-RAY DIFFRACTION FROM PIEZOELECTRICALLY AMPLIFIED SHEAR WAVES IN THE 50-GHz RANGE. <i>Applied Physics Letters</i> , 1971, 18, 330-332.	3.3	25
69	Gene therapy of T helper cells in HIV infection: Mathematical model of the criteria for clinical effect. <i>Bulletin of Mathematical Biology</i> , 1997, 59, 725-745.	1.9	25
70	Scaling features of multimode motions in coupled chaotic oscillators. <i>Chaos, Solitons and Fractals</i> , 2003, 16, 801-810.	5.1	25
71	Synchronization in driven chaotic systems: Diagnostics and bifurcations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 253, 66-74.	2.1	24
72	BIFURCATIONS AND CHAOTIC OSCILLATIONS IN AN AUTOMATIC CONTROL RELAY SYSTEM WITH HYSTERESIS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001, 11, 1193-1231.	1.7	24

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73	Chaotic dynamics from interspike intervals. <i>Physical Review E</i> , 2001, 63, 036205.	2.1	24
74	Multilayered tori in a system of two coupled logistic maps. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 946-951.	2.1	24
75	Computer simulation of Turing structures in the chlorite-iodide-malonic acid system. <i>Physica Scripta</i> , 1996, 53, 243-251.	2.5	23
76	WAVE-SPLITTING IN THE BISTABLE GRAY-SCOTT MODEL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1996, 06, 1077-1092.	1.7	23
77	Extracting dynamics from threshold-crossing interspike intervals: Possibilities and limitations. <i>Physical Review E</i> , 2000, 61, 5033-5044.	2.1	23
78	Torus Destruction and Chaos—Chaos Intermittency in a Commodity Distribution Chain. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1997, 07, 1225-1242.	1.7	22
79	Transitions from phase-locked dynamics to chaos in a piecewise-linear map. <i>Physical Review E</i> , 2008, 77, 026206.	2.1	22
80	Insulin aspart pharmacokinetics: An assessment of its variability and underlying mechanisms. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 62, 65-75.	4.0	22
81	Parallel computer simulation of nearest-neighbour interaction in a system of nephrons. <i>Parallel Computing</i> , 1989, 12, 113-120.	2.1	21
82	MULTIPLE-ATTRACTOR BIFURCATIONS AND QUASIPERIODICITY IN PIECEWISE-SMOOTH MAPS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 1775-1789.	1.7	21
83	Phase synchronized quasiperiodicity in power electronic inverter systems. <i>Physica D: Nonlinear Phenomena</i> , 2014, 268, 14-24.	2.8	21
84	PARTIAL SYNCHRONIZATION IN A SYSTEM OF COUPLED LOGISTIC MAPS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 1051-1066.	1.7	20
85	Noise-Induced Macroscopic Bifurcations in Globally Coupled Chaotic Units. <i>Physical Review Letters</i> , 2004, 92, 254101.	7.8	20
86	NOISE CONTROLLED SYNCHRONIZATION IN POTASSIUM COUPLED NEURAL MODELS. <i>International Journal of Neural Systems</i> , 2007, 17, 105-113.	5.2	20
87	Transcritical loss of synchronization in coupled chaotic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 275, 401-406.	2.1	19
88	Torus breakdown in noninvertible maps. <i>Physical Review E</i> , 2003, 67, 046215.	2.1	19
89	Synchronization of time-continuous chaotic oscillators. <i>Chaos</i> , 2003, 13, 388-400.	2.5	19
90	Analysis of the noise-induced bursting-spiking transition in a pancreatic β -cell model. <i>Physical Review E</i> , 2004, 69, 041910.	2.1	19

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91	New insights offered by a computational model of deep brain stimulation. <i>Journal of Physiology (Paris)</i> , 2007, 101, 56-63.	2.1	19
92	Characterizing multimode interaction in renal autoregulation. <i>Physiological Measurement</i> , 2008, 29, 945-958.	2.1	19
93	Technical economic succession and the economic long wave. <i>European Journal of Operational Research</i> , 1986, 25, 27-38.	5.7	18
94	Iterated-map approach to die tossing. <i>Physical Review A</i> , 1990, 42, 4493-4502.	2.5	18
95	Chaotic Synchronization between Coupled Pancreatic \hat{I}^2 -Cells. <i>Progress of Theoretical Physics Supplement</i> , 2000, 139, 164-177.	0.1	18
96	Quantitative Effects of Medium Hardness and Nutrient Availability on the Swarming Motility of <i>Serratia liquefaciens</i> . <i>Bulletin of Mathematical Biology</i> , 2002, 64, 565-587.	1.9	18
97	Role of asymmetric clusters in desynchronization of coherent motion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 302, 171-181.	2.1	18
98	Giant Glial Cell: New Insight Through Mechanism-Based Modeling. <i>Journal of Biological Physics</i> , 2008, 34, 441-457.	1.5	18
99	Excitation block in a nerve fibre model owing to potassium-dependent changes in myelin resistance. <i>Interface Focus</i> , 2011, 1, 86-100.	3.0	18
100	Bioavailability and variability of biphasic insulin mixtures. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 198-208.	4.0	18
101	Chaotic Hierarchy in a Model of Competing Populations. <i>Journal of Theoretical Biology</i> , 1993, 165, 593-607.	1.7	17
102	Phase-modulation laser interference microscopy: an advance in cell imaging and dynamics study. <i>Journal of Biomedical Optics</i> , 2008, 13, 034004.	2.6	17
103	Non-invasive study of nerve fibres using laser interference microscopy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 3463-3481.	3.4	17
104	Novel routes to chaos through torus breakdown in non-invertible maps. <i>Physica D: Nonlinear Phenomena</i> , 2009, 238, 589-602.	2.8	17
105	Generators of quasiperiodic oscillations with three-dimensional phase space. <i>European Physical Journal: Special Topics</i> , 2013, 222, 2391-2398.	2.6	17
106	Modelling energy consumption, loss of firmness and enzyme inactivation in an industrial blanching process. <i>Journal of Food Engineering</i> , 1986, 5, 251-267.	5.2	16
107	Phase diagrams for periodically driven Gunn diodes. <i>Physica D: Nonlinear Phenomena</i> , 1993, 66, 143-153.	2.8	16
108	DYNAMICAL SYSTEMS OF DIFFERENT CLASSES AS MODELS OF THE KICKED NONLINEAR OSCILLATOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2001, 11, 1065-1077.	1.7	16

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109	Synchronization of tubular pressure oscillations in interacting nephrons. <i>Chaos, Solitons and Fractals</i> , 2003, 15, 343-369.	5.1	16
110	Coexistence between silent and bursting states in a biophysical Hodgkin-Huxley-type of model. <i>Chaos</i> , 2017, 27, 123101.	2.5	16
111	High-Feedback Operation of Power Electronic Converters. <i>Electronics (Switzerland)</i> , 2013, 2, 113-167.	3.1	15
112	Transient current decay in semiconducting ZnO due to the acousto - electric effect. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1967, 24, 155-156.	2.1	14
113	Transitions between $\hat{2}$ and $\hat{3}$ rhythms in neural systems. <i>Physical Review E</i> , 2002, 66, 041901.	2.1	14
114	INTER-PATTERN TRANSITIONS IN A NOISY BURSTING CELL. <i>Fluctuation and Noise Letters</i> , 2004, 04, L521-L533.	1.5	14
115	Role of the driving frequency in a randomly perturbed Hodgkin-Huxley neuron with suprathreshold forcing. <i>European Physical Journal B</i> , 2006, 53, 529-536.	1.5	14
116	Coupling-induced complexity in nephron models of renal blood flow regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R997-R1006.	1.8	14
117	Quantification of remodeling parameter sensitivity assessed by a computer simulation model. <i>Bone</i> , 1996, 19, 505-511.	2.9	13
118	Comment on "Flow-distributed oscillations: Stationary chemical waves in a reacting flow". <i>Physical Review E</i> , 2000, 62, 2992-2993.	2.1	13
119	Oscillator clustering in a resource distribution chain. <i>Chaos</i> , 2005, 15, 013704.	2.5	13
120	TORUS BIFURCATIONS IN MULTILEVEL CONVERTER SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 2343-2356.	1.7	13
121	Bifurcation structure of the π -type period-doubling transition. <i>Physica D: Nonlinear Phenomena</i> , 2012, 241, 488-496.	2.8	13
122	Border collisions inside the stability domain of a fixed point. <i>Physica D: Nonlinear Phenomena</i> , 2016, 321-322, 1-15.	2.8	13
123	Hyperchaotic Phenomena in Dynamic Decision Making. <i>NATO ASI Series Series B: Physics</i> , 1991, , 397-420.	0.2	13
124	Bifurcation sequence in a simple model of migratory dynamics. <i>System Dynamics Review</i> , 1988, 4, 208-217.	1.9	12
125	A model of enhancement and inhibition of HIV infection of monocytes by antibodies against HIV. <i>Journal of Biological Physics</i> , 1993, 19, 133-145.	1.5	12
126	Nonlinear dynamics of a vectored thrust aircraft. <i>Physica Scripta</i> , 1996, T67, 176-183.	2.5	12

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127	Bifurcation analysis of the Henon map. <i>Discrete Dynamics in Nature and Society</i> , 2000, 5, 203-221.	0.9	12
128	Transcritical riddling in a system of coupled maps. <i>Physical Review E</i> , 2001, 63, 036201.	2.1	12
129	NEURAL SYNCHRONIZATION VIA POTASSIUM SIGNALING. <i>International Journal of Neural Systems</i> , 2006, 16, 99-109.	5.2	12
130	From multi-layered resonance tori to period-doubled ergodic tori. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2534-2538.	2.1	12
131	PHASE CHAOS IN THE DISCRETE KURAMOTO MODEL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 1811-1823.	1.7	12
132	Bistability in autoimmune diseases. <i>Autoimmunity</i> , 2011, 44, 256-260.	2.6	12
133	Multistability and Torus Reconstruction in a DC-DC Converter With Multilevel Control. <i>IEEE Transactions on Industrial Informatics</i> , 2013, 9, 1937-1946.	11.3	12
134	Compensation in pancreatic beta-cell function in subjects with glucokinase mutations. <i>Diabetes</i> , 1994, 43, 718-723.	0.6	12
135	Quantum theory of acoustoelectric interaction. <i>Physical Review B</i> , 1974, 9, 682-689.	3.2	11
136	Invariant manifolds and cluster synchronization in a family of locally coupled map lattices. <i>Discrete Dynamics in Nature and Society</i> , 2000, 4, 245-256.	0.9	11
137	Nonlinear characteristics of randomly excited transonic flutter. <i>Mathematics and Computers in Simulation</i> , 2002, 58, 385-405.	4.4	11
138	CATASTROPHE THEORETIC CLASSIFICATION OF NONLINEAR OSCILLATORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 1241-1266.	1.7	11
139	Cascades of alternating pitchfork and flip bifurcations in H-bridge inverters. <i>Physica D: Nonlinear Phenomena</i> , 2017, 345, 27-39.	2.8	11
140	Unfolding of the riddling bifurcation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999, 262, 355-360.	2.1	10
141	Phase multistability of self-modulated oscillations. <i>Physical Review E</i> , 2002, 66, 036224.	2.1	10
142	Effects of microscopic disorder on the collective dynamics of globally coupled maps. <i>Physica D: Nonlinear Phenomena</i> , 2005, 205, 25-40.	2.8	10
143	DYNAMICS AND SYNCHRONIZATION OF NOISE PERTURBED ENSEMBLES OF PERIODICALLY ACTIVATED NEURON CELLS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 2807-2815.	1.7	10
144	Coexisting tori and torus bubbling in non-smooth systems. <i>Physica D: Nonlinear Phenomena</i> , 2011, 240, 397-405.	2.8	10

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145	Trapping Effects and Acoustoelectric Current Saturation in ZnO Single Crystals. <i>Physical Review B</i> , 1970, 2, 3234-3248.	3.2	9
146	Homoclinic Bifurcation as a Mechanism of Chaotic Phase Synchronization. <i>Physical Review Letters</i> , 1999, 83, 1942-1945.	7.8	9
147	CHAOTIC HIERARCHY IN HIGH DIMENSIONS. <i>International Journal of Modern Physics B</i> , 2000, 14, 2511-2527.	2.0	9
148	Transition to synchronized chaos via suppression of the natural dynamics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 283, 195-200.	2.1	9
149	Complex phase dynamics in coupled bursters. <i>Physical Review E</i> , 2003, 67, 016215.	2.1	9
150	Formation and destruction of multilayered tori in coupled map systems. <i>Chaos</i> , 2008, 18, 037124.	2.5	9
151	Synchronization of period-doubling oscillations in vascular coupled nephrons. <i>Chaos</i> , 2011, 21, 033128.	2.5	9
152	A Comprehensive Approach to Benefit-Risk Assessment in Drug Development. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 111, 65-72.	2.5	9
153	Deterministic analysis of the probability machine. <i>Physica Scripta</i> , 1995, 51, 35-45.	2.5	8
154	Computerized determination of 3-D connectivity density in human iliac crest bone biopsies. <i>Mathematics and Computers in Simulation</i> , 1996, 40, 411-423.	4.4	8
155	Re-Entrant Hexagons and Locked Turing-Hopf Fronts in the CIMA Reaction. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1998, 08, 1003-1012.	1.7	8
156	Particle in the Brusselator model with flow. <i>Physica D: Nonlinear Phenomena</i> , 2002, 163, 80-88.	2.8	8
157	Mechanism-Based Modeling of Complex Biomedical Systems. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2005, 96, 212-224.	2.5	8
158	Two-mode dynamics in pulse-modulated control systems. <i>Annual Reviews in Control</i> , 2010, 34, 62-70.	7.9	8
159	C-type period-doubling transition in nephron autoregulation. <i>Interface Focus</i> , 2011, 1, 132-142.	3.0	8
160	Minimal model for Ca ²⁺ -dependent oscillations in excitable cells. <i>Journal of Theoretical Biology</i> , 1992, 156, 309-326.	1.7	7
161	Devil's staircase and chaos from macroeconomic mode interaction. <i>Journal of Economic Dynamics and Control</i> , 1993, 17, 759-769.	1.6	7
162	Anomalous Statistics for Type-III Intermittency. <i>Open Systems and Information Dynamics</i> , 1997, 4, 393-405.	1.2	7

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