

Christophe Y Letellier

List of Publications by Year in descending order

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194
papers

4,099
citations

147726

31
h-index

161767

54
g-index

208
all docs

208
docs citations

208
times ranked

3078
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical Taxonomy: Some Taxonomic Ranks to Systematically Classify Every Chaotic Attractor. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	0.7	7
2	Topological characterization of toroidal chaos: A branched manifold for the Deng toroidal attractor. Chaos, 2021, 31, 013129.	1.0	6
3	Some elements for a history of the dynamical systems theory. Chaos, 2021, 31, 053110.	1.0	12
4	Chaos: From theory to applications for the 80th birthday of Otto E. Rössler. Chaos, 2021, 31, 060402.	1.0	4
5	Patient-Ventilator Synchronization During Non-invasive Ventilation: A Pilot Study of an Automated Analysis System. Frontiers in Medical Technology, 2021, 3, 690442.	1.3	3
6	Node differentiation dynamics along the route to synchronization in complex networks. Physical Review E, 2021, 104, 014303.	0.8	2
7	Diffeomorphical equivalence vs topological equivalence among Sprott systems. Chaos, 2021, 31, 083126.	1.0	4
8	Branched manifolds for the three types of unimodal maps. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105869.	1.7	4
9	Optimal flatness placement of sensors and actuators for controlling chaotic systems. Chaos, 2021, 31, 103114.	1.0	16
10	Assessing observability of chaotic systems using Delay Differential Analysis. Chaos, 2020, 30, 103113.	1.0	7
11	Dynamical complexity measure to distinguish organized from disorganized dynamics. Physical Review E, 2020, 101, 022204.	0.8	3
12	Assessing synchronizability provided by coupling variable from the algebraic structure of dynamical systems. Physical Review E, 2020, 101, 042215.	0.8	0
13	Chaos and Reality. Understanding Complex Systems, 2020, , 91-106.	0.3	0
14	The Lorenzian Paradigm. Understanding Complex Systems, 2020, , 37-54.	0.3	0
15	When to Expect Chaos. Understanding Complex Systems, 2020, , 145-150.	0.3	0
16	Chaos and Turbulence. Understanding Complex Systems, 2020, , 127-143.	0.3	1
17	Chaos in Toroidal Systems. Understanding Complex Systems, 2020, , 67-89.	0.3	1
18	Non-sink Attractors. Understanding Complex Systems, 2020, , 117-125.	0.3	0

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19	Some Open Problems. Understanding Complex Systems, 2020, , 157-160.	0.3	0
20	How to Prove Chaos. Understanding Complex Systems, 2020, , 151-156.	0.3	0
21	Two-Year Survival Comparing Web-Based Symptom Monitoring vs Routine Surveillance Following Treatment for Lung Cancer. JAMA - Journal of the American Medical Association, 2019, 321, 306.	3.8	363
22	Observability of Dynamical Networks from Graphic and Symbolic Approaches. Springer Proceedings in Complexity, 2019, , 3-15.	0.2	2
23	Observability of laminar bidimensional fluid flows seen as autonomous chaotic systems. Chaos, 2019, 29, 123126.	1.0	6
24	Parameter identification of a model for prostate cancer treated by intermittent therapy. Journal of Theoretical Biology, 2019, 461, 117-132.	0.8	2
25	Topological characterization versus synchronization for assessing (or not) dynamical equivalence. Chaos, 2018, 28, 045107.	1.0	7
26	A symbolic network-based nonlinear theory for dynamical systems observability. Scientific Reports, 2018, 8, 3785.	1.6	27
27	A Primer for Deterministic Thermodynamics and Cryodynamics. , 2018, , 391-413.		0
28	Application and Benefits of Web-Mediated Symptom Reporting for Patients Undergoing Immunotherapy: A Clinical Example. Case Reports in Oncology, 2018, 11, 763-768.	0.3	6
29	Structural, dynamical and symbolic observability: From dynamical systems to networks. PLoS ONE, 2018, 13, e0206180.	1.1	37
30	Using global modeling to unveil hidden couplings in small network motifs. Chaos, 2018, 28, 123110.	1.0	5
31	Nonlinear graph-based theory for dynamical network observability. Physical Review E, 2018, 98, 020303.	0.8	24
32	Randomized trial comparing a web-mediated follow-up via patient-reported outcomes (PRO) vs. routine surveillance in lung cancer patients: Final results.. Journal of Clinical Oncology, 2018, 36, 6500-6500.	0.8	19
33	Improving Survival in Patients Treated for a Lung Cancer Using Self-Evaluated Symptoms Reported Through a Web Application. American Journal of Clinical Oncology: Cancer Clinical Trials, 2017, 40, 464-469.	0.6	77
34	Spatial avascular growth of tumor in a homogeneous environment. Journal of Theoretical Biology, 2017, 416, 99-112.	0.8	4
35	How tumor growth can be influenced by delayed interactions between cancer cells and the microenvironment?. BioSystems, 2017, 158, 17-30.	0.9	66
36	A chemotherapy combined with an anti-angiogenic drug applied to a cancer model including angiogenesis. Chaos, Solitons and Fractals, 2017, 99, 297-311.	2.5	25

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37	Randomized Trial Comparing a Web-Mediated Follow-up With Routine Surveillance in Lung Cancer Patients. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	3.0	350
38	Observability and synchronization of neuron models. <i>Chaos</i> , 2017, 27, 103103.	1.0	18
39	Synchronizability of nonidentical weakly dissipative systems. <i>Chaos</i> , 2017, 27, 103118.	1.0	5
40	How the growth rate of host cells affects cancer risk in a deterministic way. <i>Chaos</i> , 2017, 27, 093101.	1.0	4
41	Intermittency as a transition to turbulence in pipes: A long tradition from Reynolds to the 21st century. <i>Comptes Rendus - Mecanique</i> , 2017, 345, 642-659.	2.1	8
42	Architecture of chaotic attractors for flows in the absence of any singular point. <i>Chaos</i> , 2016, 26, 063115.	1.0	6
43	Controllability and synchronizability: Are they related?. <i>Chaos, Solitons and Fractals</i> , 2016, 83, 242-251.	2.5	10
44	Observability coefficients for predicting the class of synchronizability from the algebraic structure of the local oscillators. <i>Physical Review E</i> , 2016, 94, 042205.	0.8	21
45	Performances of domiciliary ventilators compared by using a parametric procedure. <i>EPJ Nonlinear Biomedical Physics</i> , 2016, 4, .	0.8	3
46	Reconstruction-based interval observer dedicated to fault detection: Application to a throttle valve. <i>International Journal of Adaptive Control and Signal Processing</i> , 2016, 30, 317-335.	2.3	3
47	A dynamical model for heart remodeling during the two phases of pulmonary arterial hypertension. <i>EPJ Nonlinear Biomedical Physics</i> , 2016, 4, .	0.8	0
48	Global modeling of aggregated and associated chaotic dynamics. <i>Chaos, Solitons and Fractals</i> , 2016, 83, 82-96.	2.5	12
49	Is high cancer rate in human due to a weakness in biology resulting from the rapid increase in lifetime expectancy?. <i>Bulletin Du Cancer</i> , 2016, 103, 224-226.	0.6	1
50	Overall survival in patients with lung cancer using a web-application-guided follow-up compared to standard modalities: Results of phase III randomized trial.. <i>Journal of Clinical Oncology</i> , 2016, 34, LBA9006-LBA9006.	0.8	23
51	Résultats du premier essai randomisé de phase III évaluant la survie de patients atteints de cancer du poumon via un suivi médical par une web-application comparé au suivi standard. <i>Bulletin De L'Academie Nationale De Medecine</i> , 2016, 200, 1575-1588.	0.0	0
52	Symbolic computations of nonlinear observability. <i>Physical Review E</i> , 2015, 91, 062912.	0.8	20
53	An easy-to-use technique to characterize cardiodynamics from first-return maps on \hat{T}^n RR-intervals. <i>Chaos</i> , 2015, 25, 083111.	1.0	1
54	Systematic template extraction from chaotic attractors: II. Genus-one attractors with multiple unimodal folding mechanisms. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 235101.	0.7	19

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55	Topological analysis for designing a suspension of the Hénon map. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 3069-3074.	0.9	6
56	Semi-physical mean-value NOx model for diesel engine control. Control Engineering Practice, 2015, 40, 27-44.	3.2	23
57	Discovering independent parameters in complex dynamical systems. Chaos, Solitons and Fractals, 2015, 76, 182-189.	2.5	3
58	A genesis of special relativity. International Journal of Modern Physics D, 2015, 24, 1530024.	0.9	0
59	Abstract 3760: Modeling spatial tumor growth as seen in clinical and radiological observations. , 2015, , .		0
60	LATE-BREAKING ABSTRACT: A parametric procedure to compare domiciliary ventilator performances. , 2015, , .		0
61	Toward a General Procedure for Extracting Templates from Chaotic Attractors Bounded by High Genus Torus. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450045.	0.7	10
62	Controllability and stabilizability analysis of a positive chaotic system. , 2014, , .		0
63	Two chaotic global models for cereal crops cycles observed from satellite in northern Morocco. Chaos, 2014, 24, 023130.	1.0	16
64	Realistic human muscle pressure for driving a mechanical lung. EPJ Nonlinear Biomedical Physics, 2014, 2, .	0.8	19
65	Detection of lung cancer relapse using self-reported symptoms transmitted via an Internet Web-application: pilot study of the sentinel follow-up. Supportive Care in Cancer, 2014, 22, 1467-1473.	1.0	64
66	Detecting lung cancer relapse using self-evaluation forms weekly filled at home: the sentinel follow-up. Supportive Care in Cancer, 2014, 22, 79-85.	1.0	40
67	A cancer model for the angiogenic switch. Journal of Theoretical Biology, 2014, 360, 21-33.	0.8	19
68	Universalities in the chaotic generalized Moore & Spiegel equations. Chaos, Solitons and Fractals, 2014, 69, 40-49.	2.5	2
69	Automatic sleep staging from ventilator signals in non-invasive ventilation. Computers in Biology and Medicine, 2013, 43, 833-839.	3.9	9
70	Leakage Estimation Using Kalman Filtering in Noninvasive Mechanical Ventilation. IEEE Transactions on Biomedical Engineering, 2013, 60, 1234-1240.	2.5	2
71	What can be learned from a chaotic cancer model?. Journal of Theoretical Biology, 2013, 322, 7-16.	0.8	89
72	FROM RADIO-AMATEURS' ELECTRONICS TO TOROIDAL CHAOS. , 2013, , 83-88.		0

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73	Dynamical analysis of fractional-order Rössler and modified Lorenz systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1707-1719.	0.9	19
74	Introduction to topological analysis. World Scientific Series on Nonlinear Science, Series A, 2013, , 1-19.	0.0	1
75	Chaos hierarchy " A review, thirty years later. World Scientific Series on Nonlinear Science, Series A, 2013, , 99-124.	0.0	1
76	The symmetry of chaos. World Scientific Series on Nonlinear Science, Series A, 2013, , 227-248.	0.0	0
77	The universal template is a subtemplate of the double-scroll template. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 065102.	0.7	7
78	CHAOS IN ELECTRONIC CIRCUITS: CHUA'S CONTRIBUTION (1980-2000). , 2013, , 211-235.		1
79	Systematic template extraction from chaotic attractors: I. Genus-one attractors with an inversion symmetry. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 375101.	0.7	29
80	Individuality of breathing patterns in patients under noninvasive mechanical ventilation evidenced by chaotic global models. Chaos, 2013, 23, 013137.	1.0	2
81	Nonstationarity signatures in the dynamics of global nonlinear models. Chaos, 2012, 22, 033136.	1.0	2
82	Required criteria for recognizing new types of chaos: Application to the "cord" attractor. Physical Review E, 2012, 85, 036204.	0.8	22
83	Influence of the singular manifold of nonobservable states in reconstructing chaotic attractors. Physical Review E, 2012, 86, 026205.	0.8	24
84	DYNAMICS UNDERLYING PATIENT-VENTILATOR INTERACTIONS DURING NOCTURNAL NONINVASIVE VENTILATION. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250030.	0.7	6
85	Finger tapping movements of Parkinson's disease patients automatically rated using nonlinear delay differential equations. Chaos, 2012, 22, 013119.	1.0	28
86	Relation between synchronization of a ring of coupled Rössler systems and observability. MATEC Web of Conferences, 2012, 1, 07001.	0.1	1
87	Henri Poincaré and the principle of relativity. Contemporary Physics, 2012, 53, 397-415.	0.8	6
88	Van der Pol and the history of relaxation oscillations: Toward the emergence of a concept. Chaos, 2012, 22, 023120.	1.0	70
89	State of the Art and Analysis of Control Oriented NOx Models. , 2012, , .		14
90	A Standardized Procedure To Compare Triggering Performances Of Domiciliary Ventilators. , 2012, , .		0

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91	Polysomnographic Changes During Initiation Of Domiciliary Noninvasive Ventilation In Patients With Chronic Respiratory Failure. , 2012, , .		0
92	Evaluation Of Inspiratory Rise Time For Four Home Ventilators. , 2011, , .		0
93	Global models for patientâ€“ventilator interactions in noninvasive ventilation with asynchronies. Computers in Biology and Medicine, 2011, 41, 253-264.	3.9	2
94	Investigating observability properties from data in nonlinear dynamics. Physical Review E, 2011, 83, 066209.	0.8	30
95	Working conditions for safe detection of nonlinearity and noise titration. Physical Review E, 2011, 83, 046225.	0.8	7
96	Defects in spatiotemporal diagrams and their relations to phase coherence and lack of observability. Physical Review E, 2011, 83, 056212.	0.8	2
97	Cross-covariance Analysis Of Asynchronies And Leakage During Sleep Under Noninvasive Ventilation (NIV). , 2010, , .		0
98	A Noninvasive Method to Identify Ineffective Triggering in Patients with Noninvasive Pressure Support Ventilation. Respiration, 2010, 80, 198-206.	1.2	19
99	TOPOLOGICAL ANALYSIS OF CHAOTIC SOLUTION OF A THREE-ELEMENT MEMRISTIVE CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3819-3827.	0.7	14
100	Connecting curves for dynamical systems. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 255101.	0.7	17
101	Interplay between synchronization, observability, and dynamics. Physical Review E, 2010, 82, 016204.	0.8	33
102	INFLUENCES ON OTTO E. RÅ–SSLER'S EARLIEST PAPER ON CHAOS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 3585-3616.	0.7	9
103	Ventilatory Profiles under Pressure Support Ventilation (PSV): A Cycle-to-Cycle Distribution Analysis during Sleep.. , 2009, , .		1
104	Modeling Nonlinear Dynamics and Chaos: A Review. Mathematical Problems in Engineering, 2009, 2009, 1-35.	0.6	98
105	Symbolic observability coefficients for univariate and multivariate analysis. Physical Review E, 2009, 79, 066210.	0.8	30
106	Frequently asked questions about global modeling. Chaos, 2009, 19, 023103.	1.0	33
107	Failure in distinguishing colored noise from chaos using the â€œnoise titrationâ€“technique. Physical Review E, 2009, 79, 035201.	0.8	35
108	Flow curvature manifolds for shaping chaotic attractors: I. RÅ–ssler-like systems. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 285101.	0.7	5

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109	DEVELOPMENT OF THE NONLINEAR DYNAMICAL SYSTEMS THEORY FROM RADIO ENGINEERING TO ELECTRONICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2131-2163.	0.7	7
110	Poincaré sections for a new three-dimensional toroidal attractor. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 015101.	0.7	15
111	Intermittencies on tori: A way to characterize them. Chaos, Solitons and Fractals, 2009, 39, 479-485.	2.5	0
112	Identifying chaos from heart rate: The right task?. Chaos, 2009, 19, 028505.	1.0	17
113	Forecasting the Time Series of Sunspot Numbers. Solar Physics, 2008, 249, 103-120.	1.0	43
114	The use of synthetic input sequences in time series modeling. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 5276-5282.	0.9	3
115	Symbolic sequence analysis using approximated partition. Chaos, Solitons and Fractals, 2008, 36, 32-41.	2.5	9
116	Dynamical analysis of an intermittency in an open cavity flow. Physics of Fluids, 2008, 20, 114101.	1.6	15
117	Stabilization of space-time laser instability through the finite transverse extension of pumping. Journal of Optics, 2008, 10, 095101.	1.5	4
118	Objective evaluation of patient-ventilator interactions during noninvasive ventilation (NIV). European Respiratory Review, 2008, 17, 22-23.	3.0	1
119	From quasiperiodicity to toroidal chaos: Analogy between the Curry-Yorke map and the van der Pol system. Physical Review E, 2008, 77, 046203.	0.8	15
120	Comparison of tests for embeddings. Physical Review E, 2008, 78, 026203.	0.8	12
121	Observability of nonlinear dynamics: Normalized results and a time-series approach. Chaos, 2008, 18, 013123.	1.0	13
122	Recurrence plots for dynamical analysis of non-invasive mechanical ventilation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 621-634.	1.6	8
123	Chaos topology. Scholarpedia Journal, 2008, 3, 4592.	0.3	6
124	NONSTANDARD DISCRETIZATION SCHEMES APPLIED TO THE CONSERVATIVE HÉNON HEILES SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 891-902.	0.7	7
125	Global topology from an embedding. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 13291-13297.	0.7	6
126	Symmetry groups for 3D dynamical systems. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 5597-5620.	0.7	29

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127	Peeling bifurcations of toroidal chaotic attractors. <i>Physical Review E</i> , 2007, 76, 066204.	0.8	4
128	When are projections also embeddings?. <i>Physical Review E</i> , 2007, 75, 046201.	0.8	7
129	Insights into the algebraic structure of Lorenz-like systems using feedback circuit analysis and piecewise affine models. <i>Chaos</i> , 2007, 17, 023104.	1.0	15
130	Recurrence plots and Shannon entropy for a dynamical analysis of asynchronisms in noninvasive mechanical ventilation. <i>Chaos</i> , 2007, 17, 013115.	1.0	30
131	Asynchrony and cyclic variability in pressure support noninvasive ventilation. <i>Computers in Biology and Medicine</i> , 2007, 37, 1308-1320.	3.9	23
132	Intermittency and period-doubling cascade on tori in a bimode laser model. <i>Chaos, Solitons and Fractals</i> , 2007, 33, 782-794.	2.5	17
133	Global models from the Canadian lynx cycles as a direct evidence for chaos in real ecosystems. <i>Journal of Mathematical Biology</i> , 2007, 55, 21-39.	0.8	43
134	Evidence for low dimensional chaos in sunspot cycles. <i>Astronomy and Astrophysics</i> , 2006, 449, 379-387.	2.1	50
135	Inequivalent topologies of chaos in simple equations. <i>Chaos, Solitons and Fractals</i> , 2006, 28, 337-360.	2.5	26
136	How the choice of the observable may influence the analysis of nonlinear dynamical systems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2006, 11, 555-576.	1.7	32
137	Piecewise affine models of chaotic attractors: The Rössler and Lorenz systems. <i>Chaos</i> , 2006, 16, 013115.	1.0	18
138	Estimating the Shannon Entropy: Recurrence Plots versus Symbolic Dynamics. <i>Physical Review Letters</i> , 2006, 96, 254102.	2.9	62
139	Complex intermittent dynamics in large-aspect-ratio homogeneously broadened single-mode lasers. <i>Physica D: Nonlinear Phenomena</i> , 2005, 203, 185-197.	1.3	10
140	Direct Injection Diesel Engine Cylinder Pressure Modelling via NARMA Identification Technique. , 2005, , ,		3
141	Robust discretizations versus increase of the time step for the Lorenz system. <i>Chaos</i> , 2005, 15, 013110.	1.0	11
142	Graphical interpretation of observability in terms of feedback circuits. <i>Physical Review E</i> , 2005, 72, 056202.	0.8	30
143	Large-scale structural reorganization of strange attractors. <i>Physical Review E</i> , 2005, 72, 026212.	0.8	25
144	Relation between observability and differential embeddings for nonlinear dynamics. <i>Physical Review E</i> , 2005, 71, 066213.	0.8	97

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145	Observability of multivariate differential embeddings. <i>Journal of Physics A</i> , 2005, 38, 6311-6326.	1.6	46
146	ROBUST DISCRETIZATIONS VERSUS INCREASE OF THE TIME STEP FOR CHAOTIC SYSTEMS. , 2005, , 459-511.		1
147	Constraining the topology of neural networks to ensure dynamics with symmetry properties. <i>Physical Review E</i> , 2004, 69, 026701.	0.8	22
148	Distinguishing between folding and tearing mechanisms in strange attractors. <i>Physical Review E</i> , 2004, 70, 056214.	0.8	26
149	Displacement in the parameter space versus spurious solution of discretization with large time step. <i>Journal of Physics A</i> , 2004, 37, 1203-1218.	1.6	13
150	Difference equations versus differential equations, a possible equivalence for the Rössler system?. <i>Physica D: Nonlinear Phenomena</i> , 2004, 195, 29-49.	1.3	32
151	Dynamical analysis of a helium glow discharge. I A model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 323, 267-277.	0.9	2
152	Scalar modeling and analysis of a 3D biochemical reaction model. <i>Journal of Theoretical Biology</i> , 2004, 228, 421-430.	0.8	13
153	Analogy between a 10D model for nonlinear wave-wave interaction in a plasma and the 3D Lorenz dynamics. <i>Physica D: Nonlinear Phenomena</i> , 2003, 179, 33-52.	1.3	6
154	Global modeling of the Rössler system from the z-variable. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 314, 409-427.	0.9	45
155	Dressed symbolic dynamics. <i>Physical Review E</i> , 2003, 67, 036205.	0.8	8
156	Modding Out a Continuous Rotation Symmetry for Disentangling a Laser Dynamics. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003, 13, 1573-1577.	0.7	6
157	An Equivariant 3D model for the long-term behavior of the solar activity. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	0
158	Analytical results and feedback circuit analysis for simple chaotic flows. <i>Journal of Physics A</i> , 2003, 36, 11229-11245.	1.6	9
159	Multichannel intermittencies induced by symmetries. <i>Physical Review E</i> , 2002, 66, 036220.	0.8	9
160	INDUCED ONE-PARAMETER BIFURCATIONS IN IDENTIFIED NONLINEAR DYNAMICAL MODELS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 135-145.	0.7	7
161	Investigating nonlinear dynamics from time series: The influence of symmetries and the choice of observables. <i>Chaos</i> , 2002, 12, 549-558.	1.0	91
162	Quasi-periodic behaviour in a model for the lithium-induced, electrical oscillations of frog skin. <i>Comptes Rendus - Biologies</i> , 2002, 325, 917-925.	0.1	0

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163	Analysis of the dynamics of a realistic ecological model. Chaos, Solitons and Fractals, 2002, 13, 95-107.	2.5	86
164	Should all the species of a food chain be counted to investigate the global dynamics?. Chaos, Solitons and Fractals, 2002, 13, 1099-1113.	2.5	32
165	Topological analysis of chaos in a three-variable biochemical model. Acta Biotheoretica, 2002, 50, 1-13.	0.7	6
166	Dynamical analysis and map modeling of a thermionic diode plasma experiment. Physica D: Nonlinear Phenomena, 2001, 156, 169-178.	1.3	5
167	Structure-selection techniques applied to continuous-time nonlinear models. Physica D: Nonlinear Phenomena, 2001, 158, 1-18.	1.3	33
168	Ansatz library for global modeling with a structure selection. Physical Review E, 2001, 64, 016206.	0.8	27
169	Unimodal order in the image of the simplest equivariant chaotic system. Physical Review E, 2001, 64, 067202.	0.8	11
170	State space parsimonious reconstruction of attractor produced by an electronic oscillator. AIP Conference Proceedings, 2000, , .	0.3	1
171	Equivariance identification using delay differential equations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 265, 264-273.	0.9	4
172	Dynamical analysis by using oriented crossing locations. AIP Conference Proceedings, 2000, , .	0.3	0
173	Phase intermittency in jet atomization processes. AIP Conference Proceedings, 2000, , .	0.3	1
174	Topological invariants in period-doubling cascades. Journal of Physics A, 2000, 33, 1809-1825.	1.6	7
175	Symbolic sequence statistical analysis for free liquid jets. Physical Review E, 2000, 62, 7973-7981.	0.8	24
176	Modeling maps by using rational functions. Physical Review E, 2000, 62, 6325-6331.	0.8	6
177	Covering dynamical systems: ∞ Twofold covers. Physical Review E, 2000, 63, 016206.	0.8	61
178	ANALYSIS OF A NONSYNCHRONIZED SINUSOIDALLY DRIVEN DYNAMICAL SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 1759-1772.	0.7	17
179	Structure selection for global vector field reconstruction by using the identification of fixed points. Physical Review E, 1999, 60, 1600-1606.	0.8	10
180	Computer evaluation of Homfly polynomials by using Gauss codes, with a skein-template algorithm. Applied Mathematics and Computation, 1999, 105, 271-289.	1.4	12

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181	Analyzing Chaotic Behavior in a Belousov-Zhabotinsky Reaction by Using a Global Vector Field Reconstruction. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10265-10273.	1.1	21
182	A nine-dimensional Lorenz system to study high-dimensional chaos. <i>Journal of Physics A</i> , 1998, 31, 7121-7139.	1.6	55
183	On the non-equivalence of observables in phase-space reconstructions from recorded time series. <i>Journal of Physics A</i> , 1998, 31, 7913-7927.	1.6	86
184	Use of the Nonlinear Dynamical System Theory to Study Cycle-to-Cycle Variations from Spark Ignition Engine Pressure Data. , 1997, , .		18
185	Recovering deterministic behavior from experimental time series in mixing reactor. <i>AIChE Journal</i> , 1997, 43, 2194-2202.	1.8	32
186	Global vector field reconstruction including a control parameter dependence. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 211, 211-216.	0.9	12
187	Generalized optical theorem for on-axis Gaussian beams. <i>Optics Communications</i> , 1996, 125, 137-157.	1.0	24
188	Evolution of a multimodal map induced by an equivariant vector field. <i>Journal of Physics A</i> , 1996, 29, 5359-5373.	1.6	31
189	Topological characterization of a system with high-order symmetries. <i>Physical Review E</i> , 1995, 52, 4754-4761.	0.8	13
190	Global vector field reconstruction from a chaotic experimental signal in copper electrodisolution. <i>Physical Review E</i> , 1995, 51, 4262-4266.	0.8	30
191	Characterization of the Lorenz system, taking into account the equivariance of the vector field. <i>Physical Review E</i> , 1994, 49, 3492-3495.	0.8	37
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194	A Semi-Physical NOx Model for Diesel Engine Control. , 0, , .		12