

# 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	Two-Year Survival Comparing Web-Based Symptom Monitoring vs Routine Surveillance Following Treatment for Lung Cancer. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 306.	3.8	363
2	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
3	Global vector-field reconstruction by using a multivariate polynomial L2 approximation on nets. <i>Physical Review E</i> , 1994, 49, 4955-4972.	0.8	136
4	Modeling Nonlinear Dynamics and Chaos: A Review. <i>Mathematical Problems in Engineering</i> , 2009, 2009, 1-35.	0.6	98
5	Relation between observability and differential embeddings for nonlinear dynamics. <i>Physical Review E</i> , 2005, 71, 066213.	0.8	97
6	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
7	What can be learned from a chaotic cancer model?. <i>Journal of Theoretical Biology</i> , 2013, 322, 7-16.	0.8	89
8	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
9	Analysis of the dynamics of a realistic ecological model. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 95-107.	2.5	86
10	Improving Survival in Patients Treated for a Lung Cancer Using Self-Evaluated Symptoms Reported Through a Web Application. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2017, 40, 464-469.	0.6	77
11	Van der Pol and the history of relaxation oscillations: Toward the emergence of a concept. <i>Chaos</i> , 2012, 22, 023120.	1.0	70
12	How tumor growth can be influenced by delayed interactions between cancer cells and the microenvironment?. <i>BioSystems</i> , 2017, 158, 17-30.	0.9	66
13	Detection of lung cancer relapse using self-reported symptoms transmitted via an Internet Web-application: pilot study of the sentinel follow-up. <i>Supportive Care in Cancer</i> , 2014, 22, 1467-1473.	1.0	64
14	Estimating the Shannon Entropy: Recurrence Plots versus Symbolic Dynamics. <i>Physical Review Letters</i> , 2006, 96, 254102.	2.9	62
15	Covering dynamical systems: $\epsilon$ -Twofold covers. <i>Physical Review E</i> , 2000, 63, 016206.	0.8	61
16	A nine-dimensional Lorenz system to study high-dimensional chaos. <i>Journal of Physics A</i> , 1998, 31, 7121-7139.	1.6	55
17	Evidence for low dimensional chaos in sunspot cycles. <i>Astronomy and Astrophysics</i> , 2006, 449, 379-387.	2.1	50
18	Observability of multivariate differential embeddings. <i>Journal of Physics A</i> , 2005, 38, 6311-6326.	1.6	46

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19	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
20	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
21	Forecasting the Time Series of Sunspot Numbers. <i>Solar Physics</i> , 2008, 249, 103-120.	1.0	43
22	Detecting lung cancer relapse using self-evaluation forms weekly filled at home: the sentinel follow-up. <i>Supportive Care in Cancer</i> , 2014, 22, 79-85.	1.0	40
23	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
24	Structural, dynamical and symbolic observability: From dynamical systems to networks. <i>PLoS ONE</i> , 2018, 13, e0206180.	1.1	37
25	Failure in distinguishing colored noise from chaos using the "noise titration" technique. <i>Physical Review E</i> , 2009, 79, 035201.	0.8	35
26	Structure-selection techniques applied to continuous-time nonlinear models. <i>Physica D: Nonlinear Phenomena</i> , 2001, 158, 1-18.	1.3	33
27	Frequently asked questions about global modeling. <i>Chaos</i> , 2009, 19, 023103.	1.0	33
28	Interplay between synchronization, observability, and dynamics. <i>Physical Review E</i> , 2010, 82, 016204.	0.8	33
29	Recovering deterministic behavior from experimental time series in mixing reactor. <i>AIChE Journal</i> , 1997, 43, 2194-2202.	1.8	32
30	Should all the species of a food chain be counted to investigate the global dynamics?. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 1099-1113.	2.5	32
31	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
32	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
33	Evolution of a multimodal map induced by an equivariant vector field. <i>Journal of Physics A</i> , 1996, 29, 5359-5373.	1.6	31
34	Global vector field reconstruction from a chaotic experimental signal in copper electrodisolution. <i>Physical Review E</i> , 1995, 51, 4262-4266.	0.8	30
35	Graphical interpretation of observability in terms of feedback circuits. <i>Physical Review E</i> , 2005, 72, 056202.	0.8	30
36	Recurrence plots and Shannon entropy for a dynamical analysis of asynchronisms in noninvasive mechanical ventilation. <i>Chaos</i> , 2007, 17, 013115.	1.0	30

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37	Symbolic observability coefficients for univariate and multivariate analysis. <i>Physical Review E</i> , 2009, 79, 066210.	0.8	30
38	Investigating observability properties from data in nonlinear dynamics. <i>Physical Review E</i> , 2011, 83, 066209.	0.8	30
39	Symmetry groups for 3D dynamical systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 5597-5620.	0.7	29
40	Systematic template extraction from chaotic attractors: I. Genus-one attractors with an inversion symmetry. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 375101.	0.7	29
41	Finger tapping movements of Parkinson's disease patients automatically rated using nonlinear delay differential equations. <i>Chaos</i> , 2012, 22, 013119.	1.0	28
42	Ansatz library for global modeling with a structure selection. <i>Physical Review E</i> , 2001, 64, 016206.	0.8	27
43	A symbolic network-based nonlinear theory for dynamical systems observability. <i>Scientific Reports</i> , 2018, 8, 3785.	1.6	27
44	Distinguishing between folding and tearing mechanisms in strange attractors. <i>Physical Review E</i> , 2004, 70, 056214.	0.8	26
45	Inequivalent topologies of chaos in simple equations. <i>Chaos, Solitons and Fractals</i> , 2006, 28, 337-360.	2.5	26
46	Large-scale structural reorganization of strange attractors. <i>Physical Review E</i> , 2005, 72, 026212.	0.8	25
47	A chemotherapy combined with an anti-angiogenic drug applied to a cancer model including angiogenesis. <i>Chaos, Solitons and Fractals</i> , 2017, 99, 297-311.	2.5	25
48	Generalized optical theorem for on-axis Gaussian beams. <i>Optics Communications</i> , 1996, 125, 137-157.	1.0	24
49	Symbolic sequence statistical analysis for free liquid jets. <i>Physical Review E</i> , 2000, 62, 7973-7981.	0.8	24
50	Influence of the singular manifold of nonobservable states in reconstructing chaotic attractors. <i>Physical Review E</i> , 2012, 86, 026205.	0.8	24
51	Nonlinear graph-based theory for dynamical network observability. <i>Physical Review E</i> , 2018, 98, 020303.	0.8	24
52	Asynchrony and cyclic variability in pressure support noninvasive ventilation. <i>Computers in Biology and Medicine</i> , 2007, 37, 1308-1320.	3.9	23
53	Semi-physical mean-value NOx model for diesel engine control. <i>Control Engineering Practice</i> , 2015, 40, 27-44.	3.2	23
54	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

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55	Algebraic evaluation of linking numbers of unstable periodic orbits in chaotic attractors. <i>Physical Review E</i> , 1994, 49, 4693-4695.	0.8	22
56	Constraining the topology of neural networks to ensure dynamics with symmetry properties. <i>Physical Review E</i> , 2004, 69, 026701.	0.8	22
57	Required criteria for recognizing new types of chaos: Application to the "œcord" attractor. <i>Physical Review E</i> , 2012, 85, 036204.	0.8	22
58	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
59	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
60	Symbolic computations of nonlinear observability. <i>Physical Review E</i> , 2015, 91, 062912.	0.8	20
61	A Noninvasive Method to Identify Ineffective Triggering in Patients with Noninvasive Pressure Support Ventilation. <i>Respiration</i> , 2010, 80, 198-206.	1.2	19
62	Dynamical analysis of fractional-order Rössler and modified Lorenz systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 1707-1719.	0.9	19
63	Realistic human muscle pressure for driving a mechanical lung. <i>EPJ Nonlinear Biomedical Physics</i> , 2014, 2, .	0.8	19
64	A cancer model for the angiogenic switch. <i>Journal of Theoretical Biology</i> , 2014, 360, 21-33.	0.8	19
65	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
66	Randomized trial comparing a web-mediated follow-up via patient-reported outcomes (PRO) vs. routine surveillance in lung cancer patients: Final results.. <i>Journal of Clinical Oncology</i> , 2018, 36, 6500-6500.	0.8	19
67	Use of the Nonlinear Dynamical System Theory to Study Cycle-to-Cycle Variations from Spark Ignition Engine Pressure Data. , 1997, , .		18
68	Piecewise affine models of chaotic attractors: The Rössler and Lorenz systems. <i>Chaos</i> , 2006, 16, 013115.	1.0	18
69	Observability and synchronization of neuron models. <i>Chaos</i> , 2017, 27, 103103.	1.0	18
70	ANALYSIS OF A NONSYNCHRONIZED SINUSOIDALLY DRIVEN DYNAMICAL SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 1759-1772.	0.7	17
71	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
72	Identifying chaos from heart rate: The right task?. <i>Chaos</i> , 2009, 19, 028505.	1.0	17

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73	Connecting curves for dynamical systems. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 255101.	0.7	17
74	Two chaotic global models for cereal crops cycles observed from satellite in northern Morocco. Chaos, 2014, 24, 023130.	1.0	16
75	Optimal flatness placement of sensors and actuators for controlling chaotic systems. Chaos, 2021, 31, 103114.	1.0	16
76	Insights into the algebraic structure of Lorenz-like systems using feedback circuit analysis and piecewise affine models. Chaos, 2007, 17, 023104.	1.0	15
77	Dynamical analysis of an intermittency in an open cavity flow. Physics of Fluids, 2008, 20, 114101.	1.6	15
78	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
79	Poincaré sections for a new three-dimensional toroidal attractor. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 015101.	0.7	15
80	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
81	State of the Art and Analysis of Control Oriented NOx Models. , 2012, , .		14
82	Topological characterization of a system with high-order symmetries. Physical Review E, 1995, 52, 4754-4761.	0.8	13
83	Displacement in the parameter space versus spurious solution of discretization with large time step. Journal of Physics A, 2004, 37, 1203-1218.	1.6	13
84	Scalar modeling and analysis of a 3D biochemical reaction model. Journal of Theoretical Biology, 2004, 228, 421-430.	0.8	13
85	Observability of nonlinear dynamics: Normalized results and a time-series approach. Chaos, 2008, 18, 013123.	1.0	13
86	Global vector field reconstruction including a control parameter dependence. Physics Letters, Section A: General, Atomic and Solid State Physics, 1996, 211, 211-216.	0.9	12
87	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
88	Comparison of tests for embeddings. Physical Review E, 2008, 78, 026203.	0.8	12
89	A Semi-Physical NOx Model for Diesel Engine Control. , 0, , .		12
90	Global modeling of aggregated and associated chaotic dynamics. Chaos, Solitons and Fractals, 2016, 83, 82-96.	2.5	12

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91	Some elements for a history of the dynamical systems theory. <i>Chaos</i> , 2021, 31, 053110.	1.0	12
92	Unimodal order in the image of the simplest equivariant chaotic system. <i>Physical Review E</i> , 2001, 64, 067202.	0.8	11
93	Robust discretizations versus increase of the time step for the Lorenz system. <i>Chaos</i> , 2005, 15, 013110.	1.0	11
94	Structure selection for global vector field reconstruction by using the identification of fixed points. <i>Physical Review E</i> , 1999, 60, 1600-1606.	0.8	10
95	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
96	Toward a General Procedure for Extracting Templates from Chaotic Attractors Bounded by High Genus Torus. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450045.	0.7	10
97	Controllability and synchronizability: Are they related?. <i>Chaos, Solitons and Fractals</i> , 2016, 83, 242-251.	2.5	10
98	Multichannel intermittencies induced by symmetries. <i>Physical Review E</i> , 2002, 66, 036220.	0.8	9
99	Analytical results and feedback circuit analysis for simple chaotic flows. <i>Journal of Physics A</i> , 2003, 36, 11229-11245.	1.6	9
100	Symbolic sequence analysis using approximated partition. <i>Chaos, Solitons and Fractals</i> , 2008, 36, 32-41.	2.5	9
101	INFLUENCES ON OTTO E. RÅSSLER'S EARLIEST PAPER ON CHAOS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 3585-3616.	0.7	9
102	Automatic sleep staging from ventilator signals in non-invasive ventilation. <i>Computers in Biology and Medicine</i> , 2013, 43, 833-839.	3.9	9
103	Dressed symbolic dynamics. <i>Physical Review E</i> , 2003, 67, 036205.	0.8	8
104	Recurrence plots for dynamical analysis of non-invasive mechanical ventilation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 621-634.	1.6	8
105	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
106	Topological invariants in period-doubling cascades. <i>Journal of Physics A</i> , 2000, 33, 1809-1825.	1.6	7
107	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
108	NONSTANDARD DISCRETIZATION SCHEMES APPLIED TO THE CONSERVATIVE HÅNONÅHEILES SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 891-902.	0.7	7

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109	When are projections also embeddings?. <i>Physical Review E</i> , 2007, 75, 046201.	0.8	7
110	DEVELOPMENT OF THE NONLINEAR DYNAMICAL SYSTEMS THEORY FROM RADIO ENGINEERING TO ELECTRONICS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 2131-2163.	0.7	7
111	Working conditions for safe detection of nonlinearity and noise titration. <i>Physical Review E</i> , 2011, 83, 046225.	0.8	7
112	The universal template is a subtemplate of the double-scroll template. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2013, 46, 065102.	0.7	7
113	Topological characterization versus synchronization for assessing (or not) dynamical equivalence. <i>Chaos</i> , 2018, 28, 045107.	1.0	7
114	Assessing observability of chaotic systems using Delay Differential Analysis. <i>Chaos</i> , 2020, 30, 103113.	1.0	7
115	Dynamical Taxonomy: Some Taxonomic Ranks to Systematically Classify Every Chaotic Attractor. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2022, 32, .	0.7	7
116	Modeling maps by using rational functions. <i>Physical Review E</i> , 2000, 62, 6325-6331.	0.8	6
117	Topological analysis of chaos in a three-variable biochemical model. <i>Acta Biotheoretica</i> , 2002, 50, 1-13.	0.7	6
118	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
119	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
120	Global topology from an embedding. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007, 40, 13291-13297.	0.7	6
121	DYNAMICS UNDERLYING PATIENT-VENTILATOR INTERACTIONS DURING NOCTURNAL NONINVASIVE VENTILATION. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012, 22, 1250030.	0.7	6
122	Henri Poincaré and the principle of relativity. <i>Contemporary Physics</i> , 2012, 53, 397-415.	0.8	6
123	Topological analysis for designing a suspension of the Hénon map. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 3069-3074.	0.9	6
124	Architecture of chaotic attractors for flows in the absence of any singular point. <i>Chaos</i> , 2016, 26, 063115.	1.0	6
125	Application and Benefits of Web-Mediated Symptom Reporting for Patients Undergoing Immunotherapy: A Clinical Example. <i>Case Reports in Oncology</i> , 2018, 11, 763-768.	0.3	6
126	Observability of laminar bidimensional fluid flows seen as autonomous chaotic systems. <i>Chaos</i> , 2019, 29, 123126.	1.0	6



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127	Topological characterization of toroidal chaos: A branched manifold for the Deng toroidal attractor. <i>Chaos</i> , 2021, 31, 013129.	1.0	6
128	Chaos topology. <i>Scholarpedia Journal</i> , 2008, 3, 4592.	0.3	6
129	Dynamical analysis and map modeling of a thermionic diode plasma experiment. <i>Physica D: Nonlinear Phenomena</i> , 2001, 156, 169-178.	1.3	5
130	Flow curvature manifolds for shaping chaotic attractors: I. Rössler-like systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 285101.	0.7	5
131	Synchronizability of nonidentical weakly dissipative systems. <i>Chaos</i> , 2017, 27, 103118.	1.0	5
132	Using global modeling to unveil hidden couplings in small network motifs. <i>Chaos</i> , 2018, 28, 123110.	1.0	5
133	Equivariance identification using delay differential equations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 265, 264-273.	0.9	4
134	Peeling bifurcations of toroidal chaotic attractors. <i>Physical Review E</i> , 2007, 76, 066204.	0.8	4
135	Stabilization of space-time laser instability through the finite transverse extension of pumping. <i>Journal of Optics</i> , 2008, 10, 095101.	1.5	4
136	Spatial avascular growth of tumor in a homogeneous environment. <i>Journal of Theoretical Biology</i> , 2017, 416, 99-112.	0.8	4
137	How the growth rate of host cells affects cancer risk in a deterministic way. <i>Chaos</i> , 2017, 27, 093101.	1.0	4
138	Chaos: From theory to applications for the 80th birthday of Otto E. Rössler. <i>Chaos</i> , 2021, 31, 060402.	1.0	4
139	Diffeomorphical equivalence vs topological equivalence among Sprott systems. <i>Chaos</i> , 2021, 31, 083126.	1.0	4
140	Branched manifolds for the three types of unimodal maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 101, 105869.	1.7	4
141	Direct Injection Diesel Engine Cylinder Pressure Modelling via NARMA Identification Technique. , 2005, , .		3
142	The use of synthetic input sequences in time series modeling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5276-5282.	0.9	3
143	Discovering independent parameters in complex dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2015, 76, 182-189.	2.5	3
144	Performances of domiciliary ventilators compared by using a parametric procedure. <i>EPJ Nonlinear Biomedical Physics</i> , 2016, 4, .	0.8	3

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145	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
146	Dynamical complexity measure to distinguish organized from disorganized dynamics. <i>Physical Review E</i> , 2020, 101, 022204.	0.8	3
147	Patient-Ventilator Synchronization During Non-invasive Ventilation: A Pilot Study of an Automated Analysis System. <i>Frontiers in Medical Technology</i> , 2021, 3, 690442.	1.3	3
148	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
149	Global models for patient-ventilator interactions in noninvasive ventilation with asynchronies. <i>Computers in Biology and Medicine</i> , 2011, 41, 253-264.	3.9	2
150	Defects in spatiotemporal diagrams and their relations to phase coherence and lack of observability. <i>Physical Review E</i> , 2011, 83, 056212.	0.8	2
151	Nonstationarity signatures in the dynamics of global nonlinear models. <i>Chaos</i> , 2012, 22, 033136.	1.0	2
152	Leakage Estimation Using Kalman Filtering in Noninvasive Mechanical Ventilation. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 1234-1240.	2.5	2
153	Individuality of breathing patterns in patients under noninvasive mechanical ventilation evidenced by chaotic global models. <i>Chaos</i> , 2013, 23, 013137.	1.0	2
154	Universalities in the chaotic generalized Moore & Spiegel equations. <i>Chaos, Solitons and Fractals</i> , 2014, 69, 40-49.	2.5	2
155	Observability of Dynamical Networks from Graphic and Symbolic Approaches. <i>Springer Proceedings in Complexity</i> , 2019, , 3-15.	0.2	2
156	Parameter identification of a model for prostate cancer treated by intermittent therapy. <i>Journal of Theoretical Biology</i> , 2019, 461, 117-132.	0.8	2
157	Node differentiation dynamics along the route to synchronization in complex networks. <i>Physical Review E</i> , 2021, 104, 014303.	0.8	2
158	State space parsimonious reconstruction of attractor produced by an electronic oscillator. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	1
159	Phase intermittency in jet atomization processes. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	1
160	Objective evaluation of patient-ventilator interactions during noninvasive ventilation (NIV). <i>European Respiratory Review</i> , 2008, 17, 22-23.	3.0	1
161	Ventilatory Profiles under Pressure Support Ventilation (PSV): A Cycle-to-Cycle Distribution Analysis during Sleep.. , 2009, , .		1
162	Relation between synchronization of a ring of coupled Rössler systems and observability. <i>MATEC Web of Conferences</i> , 2012, 1, 07001.	0.1	1

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163	Introduction to topological analysis. World Scientific Series on Nonlinear Science, Series A, 2013, , 1-19.	0.0	1
164	Chaos hierarchy " A review, thirty years later. World Scientific Series on Nonlinear Science, Series A, 2013, , 99-124.	0.0	1
165	CHAOS IN ELECTRONIC CIRCUITS: CHUA'S CONTRIBUTION (1980-2000). , 2013, , 211-235.		1
166	An easy-to-use technique to characterize cardiodynamics from first-return maps on $\hat{I}$ RR-intervals. Chaos, 2015, 25, 083111.	1.0	1
167	Is high cancer rate in human due to a weakness in biology resulting from the rapid increase in lifetime expectancy?. Bulletin Du Cancer, 2016, 103, 224-226.	0.6	1
168	ROBUST DISCRETIZATIONS VERSUS INCREASE OF THE TIME STEP FOR CHAOTIC SYSTEMS. , 2005, , 459-511.		1
169	Chaos and Turbulence. Understanding Complex Systems, 2020, , 127-143.	0.3	1
170	Chaos in Toroidal Systems. Understanding Complex Systems, 2020, , 67-89.	0.3	1
171	Dynamical analysis by using oriented crossing locations. AIP Conference Proceedings, 2000, , .	0.3	0
172	Quasi-periodic behaviour in a model for the lithium-induced, electrical oscillations of frog skin. Comptes Rendus - Biologies, 2002, 325, 917-925.	0.1	0
173	An Equivariant 3D model for the long-term behavior of the solar activity. AIP Conference Proceedings, 2003, , .	0.3	0
174	Intermittencies on tori: A way to characterize them. Chaos, Solitons and Fractals, 2009, 39, 479-485.	2.5	0
175	Cross-covariance Analysis Of Asynchronies And Leakage During Sleep Under Noninvasive Ventilation (NIV). , 2010, , .		0
176	Evaluation Of Inspiratory Rise Time For Four Home Ventilators. , 2011, , .		0
177	A Standardized Procedure To Compare Triggering Performances Of Domiciliary Ventilators. , 2012, , .		0
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