

Marius-F Danca

List of Publications by Year in descending order

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91
times ranked

908
citing authors

#	ARTICLE	IF	CITATIONS
1	Matlab Code for Lyapunov Exponents of Fractional-Order Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2018, 28, 1850067.	0.7	125
2	Hidden chaotic sets in a Hopfield neural system. Chaos, Solitons and Fractals, 2017, 103, 144-150.	2.5	104
3	Unusual dynamics and hidden attractors of the Rabinovich-Fabrikant system. Nonlinear Dynamics, 2017, 88, 791-805.	2.7	76
4	Detailed analysis of a nonlinear prey-predator model. Journal of Biological Physics, 1997, 23, 11-20.	0.7	66
5	Hidden chaotic attractors in fractional-order systems. Nonlinear Dynamics, 2017, 89, 577-586.	2.7	47
6	ON A DYNAMICAL SYSTEM WITH MULTIPLE CHAOTIC ATTRACTORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3235-3251.	0.7	45
7	Hidden transient chaotic attractors of Rabinovich-Fabrikant system. Nonlinear Dynamics, 2016, 86, 1263-1270.	2.7	43
8	Lyapunov exponents of a class of piecewise continuous systems of fractional order. Nonlinear Dynamics, 2015, 81, 227-237.	2.7	36
9	Complex dynamics, hidden attractors and continuous approximation of a fractional-order hyperchaotic PWC system. Nonlinear Dynamics, 2018, 91, 2523-2540.	2.7	35
10	Controlling chaos in discontinuous dynamical systems. Chaos, Solitons and Fractals, 2004, 22, 605-612.	2.5	34
11	A switching scheme for synthesizing attractors of dissipative chaotic systems. Applied Mathematics and Computation, 2008, 201, 650-667.	1.4	32
12	Generalized Form of Parrondo's Paradoxical Game with Applications to Chaos Control. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2014, 24, 1450008.	0.7	31
13	Suppressing chaos in a simplest autonomous memristor-based circuit of fractional order by periodic impulses. Chaos, Solitons and Fractals, 2016, 84, 31-40.	2.5	29
14	Graphical Structure of Attraction Basins of Hidden Chaotic Attractors: The Rabinovich-Fabrikant System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1930001.	0.7	29
15	Looking More Closely at the Rabinovich-Fabrikant System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650038.	0.7	28
16	On a possible approximation of discontinuous dynamical systems. Chaos, Solitons and Fractals, 2002, 13, 681-691.	2.5	27
17	SYNCHRONIZATION OF SWITCH DYNAMICAL SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1813-1826.	0.7	26
18	Sustaining stable dynamics of a fractional-order chaotic financial system by parameter switching. Computers and Mathematics With Applications, 2013, 66, 702-716.	1.4	26

#	ARTICLE	IF	CITATIONS
19	ALTERNATED JULIA SETS AND CONNECTIVITY PROPERTIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2009, 19, 2123-2129.	0.7	25
20	Hidden chaotic attractors and chaos suppression in an impulsive discrete economical supply and demand dynamical system. Communications in Nonlinear Science and Numerical Simulation, 2019, 74, 1-13.	1.7	23
21	Random parameter-switching synthesis of a class of hyperbolic attractors. Chaos, 2008, 18, 033111.	1.0	22
22	Approximating hidden chaotic attractors via parameter switching. Chaos, 2018, 28, 013127.	1.0	21
23	Chaos control in the fractional order logistic map via impulses. Nonlinear Dynamics, 2019, 98, 1219-1230.	2.7	21
24	BIFURCATION AND CHAOS IN A COMPLEX MODEL OF DISSIPATIVE MEDIUM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3409-3447.	0.7	20
25	Convergence of a parameter switching algorithm for a class of nonlinear continuous systems and a generalization of Parrondo's paradox. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 500-510.	1.7	20
26	Fractional-order PWC systems without zero Lyapunov exponents. Nonlinear Dynamics, 2018, 92, 1061-1078.	2.7	20
27	Fractional-order attractors synthesis via parameter switchings. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 3745-3753.	1.7	19
28	Deterministic and random synthesis of discrete chaos. Applied Mathematics and Computation, 2007, 192, 283-297.	1.4	18
29	An averaging model for chaotic system with periodic time-varying parameter. Applied Mathematics and Computation, 2010, 217, 355-362.	1.4	18
30	Finding attractors of continuous-time systems by parameter switching. Nonlinear Dynamics, 2012, 67, 2317-2342.	2.7	18
31	Graphical exploration of the connectivity sets of alternated Julia sets. Nonlinear Dynamics, 2013, 73, 1155-1163.	2.7	18
32	Noise induced complexity: patterns and collective phenomena in a small-world neuronal network. Cognitive Neurodynamics, 2014, 8, 143-149.	2.3	18
33	Hidden and self-excited attractors in a heterogeneous Cournot oligopoly model. Chaos, Solitons and Fractals, 2021, 142, 110371.	2.5	18
34	PARRONDO'S GAME MODEL TO FIND NUMERICALLY STABLE ATTRACTORS OF A TUMOR GROWTH MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250258.	0.7	17
35	Suppressing chaos in discontinuous systems of fractional order by active control. Applied Mathematics and Computation, 2015, 257, 89-102.	1.4	17
36	Parrondo's paradox for chaos control and anticontrol of fractional-order systems. Chinese Physics B, 2016, 25, 010505.	0.7	16

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37	Impulsive stabilization of chaos in fractional-order systems. <i>Nonlinear Dynamics</i> , 2017, 89, 1889-1903.	2.7	16
38	Lyapunov Exponents of a Discontinuous 4D Hyperchaotic System of Integer or Fractional Order. <i>Entropy</i> , 2018, 20, 337.	1.1	16
39	Hidden Strange Nonchaotic Attractors. <i>Mathematics</i> , 2021, 9, 652.	1.1	16
40	Chaos control of Hastings-Powell model by combining chaotic motions. <i>Chaos</i> , 2016, 26, 043106.	1.0	15
41	Numerical approximation of a class of discontinuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2011, 66, 133-139.	2.7	14
42	Puu System of Fractional Order and Its Chaos Suppression. <i>Symmetry</i> , 2020, 12, 340.	1.1	14
43	Synchronization of piecewise continuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2014, 78, 2065-2084.	2.7	13
44	Chaotic behavior of a class of discontinuous dynamical systems of fractional-order. <i>Nonlinear Dynamics</i> , 2010, 60, 525-534.	2.7	12
45	Synthesizing attractors of Hindmarsh-Rose neuronal systems. <i>Nonlinear Dynamics</i> , 2010, 62, 437-446.	2.7	12
46	Rich dynamics and anticontrol of extinction in a prey-predator system. <i>Nonlinear Dynamics</i> , 2019, 98, 1421-1445.	2.7	12
47	Complex dynamics of compound bursting with burst episode composed of different bursts. <i>Nonlinear Dynamics</i> , 2012, 70, 2003-2013.	2.7	11
48	Complex Systems and Networks. <i>Understanding Complex Systems</i> , 2016, , .	0.3	11
49	On a class of discontinuous dynamical systems. <i>Miskolc Mathematical Notes</i> , 2001, 2, 103.	0.3	11
50	CHAOTIFYING DISCONTINUOUS DYNAMICAL SYSTEMS VIA TIME-DELAY FEEDBACK ALGORITHM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 2321-2339.	0.7	10
51	Suppressing chaos in fractional-order systems by periodic perturbations on system variables. <i>European Physical Journal B</i> , 2013, 86, 1.	0.6	8
52	Matlab Code for Lyapunov Exponents of Fractional-Order Systems, Part II: The Noncommensurate Case. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150187.	0.7	8
53	Coupled Discrete Fractional-Order Logistic Maps. <i>Mathematics</i> , 2021, 9, 2204.	1.1	8
54	Numerical approximations of a class of switch dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2008, 38, 184-191.	2.5	7

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55	On the uniqueness of solutions to a class of discontinuous dynamical systems. <i>Nonlinear Analysis: Real World Applications</i> , 2010, 11, 1402-1412.	0.9	7
56	Parameter switching in a generalized Duffing system: Finding the stable attractors. <i>Applied Mathematics and Computation</i> , 2013, 223, 101-114.	1.4	7
57	Continuous Approximations of a Class of Piecewise Continuous Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550146.	0.7	7
58	Emulating "Chaos + Chaos = Order" in Chen's Circuit of Fractional Order by Parameter Switching. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1650096.	0.7	7
59	Coexisting Hidden and Self-Excited Attractors in an Economic Model of Integer or Fractional Order. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150062.	0.7	7
60	Hopfield neuronal network of fractional order: A note on its numerical integration. <i>Chaos, Solitons and Fractals</i> , 2021, 151, 111219.	2.5	7
61	Fractional order logistic map: Numerical approach. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111851.	2.5	7
62	Suppression of Chaos in a One-dimensional Mapping. , 1997, 23, 1-9.		6
63	Attractors synthesis for a Lotka's "Volterra like system. <i>Applied Mathematics and Computation</i> , 2010, 216, 2107-2117.	1.4	6
64	Breaking Points in Quartic Maps. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550051.	0.7	6
65	A new piecewise linear Chen system of fractional-order: Numerical approximation of stable attractors. <i>Chinese Physics B</i> , 2015, 24, 060507.	0.7	6
66	Parameter Switching Synchronization. <i>Applied Mathematics and Computation</i> , 2017, 313, 94-102.	1.4	6
67	On a class of non-smooth dynamical systems: a sufficient condition for smooth versus non-smooth solutions. <i>Regular and Chaotic Dynamics</i> , 2007, 12, 1-11.	0.3	5
68	APPROACH OF A CLASS OF DISCONTINUOUS DYNAMICAL SYSTEMS OF FRACTIONAL ORDER: EXISTENCE OF SOLUTIONS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 3273-3276.	0.7	5
69	Note on a parameter switching method for nonlinear ODEs. <i>Mathematica Slovaca</i> , 2016, 66, 439-448.	0.3	5
70	Generalization of the Filippov method for systems with a large periodic input. <i>Mathematics and Computers in Simulation</i> , 2018, 146, 1-13.	2.4	5
71	Bifurcation Diagram of a Map with Multiple Critical Points. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850065.	0.7	5
72	Difference equations with impulses. <i>Opuscula Mathematica</i> , 2019, 39, 5-22.	0.3	5

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73	Modeling numerically the Rikitake's attractors by parameter switching. Journal of the Franklin Institute, 2012, 349, 861-878.	1.9	4
74	On lower-bound estimates of the Lyapunov dimension and topological entropy for the Rossler systems. IFAC-PapersOnLine, 2019, 52, 97-102.	0.5	4
75	D3 Dihedral Logistic Map of Fractional Order. Mathematics, 2022, 10, 213.	1.1	4
76	Finding stable attractors of a class of dissipative dynamical systems by numerical parameter switching. Dynamical Systems, 2010, 25, 189-201.	0.2	3
77	SYNTHESIZING THE L [∞] ATTRACTOR BY PARAMETER-SWITCHING. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 323-331.	0.7	3
78	Chaos suppression via periodic change of variables in a class of discontinuous dynamical systems of fractional order. Nonlinear Dynamics, 2012, 70, 815-823.	2.7	3
79	Hidden and Nonstandard Bifurcation Diagram of an Alternate Quadratic System. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2016, 26, 1650036.	0.7	3
80	On Numerical Integration of Discontinuous Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750218.	0.7	3
81	Fractal and statistical analysis on digits of irrational numbers. Chaos, Solitons and Fractals, 2008, 36, 246-252.	2.5	2
82	Chaos suppression via periodic pulses in a class of piece-wise continuous systems. Computers and Mathematics With Applications, 2012, 64, 849-855.	1.4	2
83	Research Frontier in Chaos Theory and Complex Networks. Entropy, 2018, 20, 734.	1.1	2
84	Chaos Suppression in a Gompertz-like Discrete System of Fractional Order. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050049.	0.7	2
85	Calculation of the Structure of a Shrub in the Mandelbrot Set. Discrete Dynamics in Nature and Society, 2011, 2011, 1-23.	0.5	1
86	OGY method for a class of discontinuous dynamical systems. Nonlinear Dynamics, 2012, 70, 1523-1534.	2.7	1
87	A Method to Solve the Limitations in Drawing External Rays of the Mandelbrot Set. Mathematical Problems in Engineering, 2013, 2013, 1-9.	0.6	1
88	Attractor as a convex combination of a set of attractors. Communications in Nonlinear Science and Numerical Simulation, 2021, 96, 105721.	1.7	1
89	Harmonic Analysis in Discrete Dynamical Systems. International Journal of Modern Nonlinear Theory and Application, 2012, 01, 14-31.	0.1	1
90	Stability, Periodicity, and Related Problems in Fractional-Order Systems. Mathematics, 2022, 10, 2040.	1.1	1

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91	Chaos Control and Anticontrol of Complex Systems via Parrondo's Game. Understanding Complex Systems, 2016, , 263-282.	0.3	0