

Marius-F Danca

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89
papers

1,217
citations

20
h-index

29
g-index

91
ext. papers

1,375
ext. citations

3.3
avg, IF

5.64
L-index

#	Paper	IF	Citations
89	D3 Dihedral Logistic Map of Fractional Order. <i>Mathematics</i> , 2022 , 10, 213	2.3	1
88	Fractional order logistic map: Numerical approach. <i>Chaos, Solitons and Fractals</i> , 2022 , 157, 111851	9.3	0
87	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	2	2
86	Hidden Strange Nonchaotic Attractors. <i>Mathematics</i> , 2021 , 9, 652	2.3	6
85	Attractor as a convex combination of a set of attractors. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021 , 96, 105721	3.7	0
84	Hidden and self-excited attractors in a heterogeneous Cournot oligopoly model. <i>Chaos, Solitons and Fractals</i> , 2021 , 142, 110371	9.3	8
83	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	2	2
82	Coupled Discrete Fractional-Order Logistic Maps. <i>Mathematics</i> , 2021 , 9, 2204	2.3	2
81	Hopfield neuronal network of fractional order: A note on its numerical integration. <i>Chaos, Solitons and Fractals</i> , 2021 , 151, 111219	9.3	3
80	Chaos Suppression in a Gompertz-like Discrete System of Fractional Order. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050049	2	2
79	Puu System of Fractional Order and Its Chaos Suppression. <i>Symmetry</i> , 2020 , 12, 340	2.7	12
78	Chaos control in the fractional order logistic map via impulses. <i>Nonlinear Dynamics</i> , 2019 , 98, 1219-1230	5	12
77	Hidden chaotic attractors and chaos suppression in an impulsive discrete economical supply and demand dynamical system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2019 , 74, 1-13	3.7	18
76	Rich dynamics and anticontrol of extinction in a prey-predator system. <i>Nonlinear Dynamics</i> , 2019 , 98, 1421-1445	5	5
75	Difference equations with impulses. <i>Opuscula Mathematica</i> , 2019 , 39, 5-22	2.6	3
74	Graphical Structure of Attraction Basins of Hidden Chaotic Attractors: The Rabinovich-Babrikant System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2019 , 29, 1930001	2	20
73	On lower-bound estimates of the Lyapunov dimension and topological entropy for the Rossler systems. <i>IFAC-PapersOnLine</i> , 2019 , 52, 97-102	0.7	3

72	Approximating hidden chaotic attractors via parameter switching. <i>Chaos</i> , 2018 , 28, 013127	3.3	16
71	Fractional-order PWC systems without zero Lyapunov exponents. <i>Nonlinear Dynamics</i> , 2018 , 92, 1061-1078		17
70	Complex dynamics, hidden attractors and continuous approximation of a fractional-order hyperchaotic PWC system. <i>Nonlinear Dynamics</i> , 2018 , 91, 2523-2540	5	27
69	Generalization of the Filippov method for systems with a large periodic input. <i>Mathematics and Computers in Simulation</i> , 2018 , 146, 1-13	3.3	4
68	Lyapunov Exponents of a Discontinuous 4D Hyperchaotic System of Integer or Fractional Order. <i>Entropy</i> , 2018 , 20,	2.8	10
67	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	2	4
66	Matlab Code for Lyapunov Exponents of Fractional-Order Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850067	2	79
65	Impulsive stabilization of chaos in fractional-order systems. <i>Nonlinear Dynamics</i> , 2017 , 89, 1889-1903	5	12
64	Hidden chaotic sets in a Hopfield neural system. <i>Chaos, Solitons and Fractals</i> , 2017 , 103, 144-150	9.3	80
63	Parameter Switching Synchronization. <i>Applied Mathematics and Computation</i> , 2017 , 313, 94-102	2.7	4
62	Hidden chaotic attractors in fractional-order systems. <i>Nonlinear Dynamics</i> , 2017 , 89, 577-586	5	36
61	Unusual dynamics and hidden attractors of the Rabinovich-Babrikant system. <i>Nonlinear Dynamics</i> , 2017 , 88, 791-805	5	67
60	On Numerical Integration of Discontinuous Dynamical Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017 , 27, 1750218	2	3
59	Complex Systems and Networks. <i>Understanding Complex Systems</i> , 2016 ,	0.4	10
58	Hidden transient chaotic attractors of Rabinovich-Babrikant system. <i>Nonlinear Dynamics</i> , 2016 , 86, 1263-1270		39
57	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	2	5
56	Suppressing chaos in a simplest autonomous memristor-based circuit of fractional order by periodic impulses. <i>Chaos, Solitons and Fractals</i> , 2016 , 84, 31-40	9.3	25
55	Hidden and Nonstandard Bifurcation Diagram of an Alternate Quadratic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650036	2	3

54	Looking More Closely at the Rabinovich-Babrikant System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650038	2	24
53	Chaos Control and Anticontrol of Complex Systems via Parrondo's Game. <i>Understanding Complex Systems</i> , 2016 , 263-282	0.4	
52	Note on a parameter switching method for nonlinear ODEs. <i>Mathematica Slovaca</i> , 2016 , 66, 439-448	0.7	4
51	Parrondo's paradox for chaos control and anticontrol of fractional-order systems. <i>Chinese Physics B</i> , 2016 , 25, 010505	1.2	13
50	Chaos control of Hastings-Powell model by combining chaotic motions. <i>Chaos</i> , 2016 , 26, 043106	3.3	12
49	A new piecewise linear Chen system of fractional-order: Numerical approximation of stable attractors. <i>Chinese Physics B</i> , 2015 , 24, 060507	1.2	5
48	Lyapunov exponents of a class of piecewise continuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2015 , 81, 227-237	5	32
47	Suppressing chaos in discontinuous systems of fractional order by active control. <i>Applied Mathematics and Computation</i> , 2015 , 257, 89-102	2.7	16
46	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	2	5
45	Breaking Points in Quartic Maps. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550051	2	6
44	Generalized Form of Parrondo's Paradoxical Game with Applications to Chaos Control. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014 , 24, 1450008	2	26
43	Synchronization of piecewise continuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2014 , 78, 2065-2084	9	
42	Noise induced complexity: patterns and collective phenomena in a small-world neuronal network. <i>Cognitive Neurodynamics</i> , 2014 , 8, 143-9	4.2	14
41	Graphical exploration of the connectivity sets of alternated Julia sets. <i>Nonlinear Dynamics</i> , 2013 , 73, 1155-1163	5	16
40	Suppressing chaos in fractional-order systems by periodic perturbations on system variables. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	7
39	Sustaining stable dynamics of a fractional-order chaotic financial system by parameter switching. <i>Computers and Mathematics With Applications</i> , 2013 , 66, 702-716	2.7	24
38	Parameter switching in a generalized Duffing system: Finding the stable attractors. <i>Applied Mathematics and Computation</i> , 2013 , 223, 101-114	2.7	7
37	Convergence of a parameter switching algorithm for a class of nonlinear continuous systems and a generalization of Parrondo's paradox. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 500-510	3.7	19

36	A Method to Solve the Limitations in Drawing External Rays of the Mandelbrot Set. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-9	1.1	
35	Modeling numerically the Rikitake's attractors by parameter switching. <i>Journal of the Franklin Institute</i> , 2012 , 349, 861-878	4	3
34	Finding attractors of continuous-time systems by parameter switching. <i>Nonlinear Dynamics</i> , 2012 , 67, 2317-2342	5	18
33	PARRONDO'S GAME MODEL TO FIND NUMERICALLY STABLE ATTRACTORS OF A TUMOR GROWTH MODEL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2012 , 22, 1250258	2	15
32	Chaos suppression via periodic change of variables in a class of discontinuous dynamical systems of fractional order. <i>Nonlinear Dynamics</i> , 2012 , 70, 815-823	5	3
31	OGY method for a class of discontinuous dynamical systems. <i>Nonlinear Dynamics</i> , 2012 , 70, 1523-1534	5	
30	Complex dynamics of compound bursting with burst episode composed of different bursts. <i>Nonlinear Dynamics</i> , 2012 , 70, 2003-2013	5	10
29	Chaos suppression via periodic pulses in a class of piece-wise continuous systems. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 849-855	2.7	1
28	Harmonic Analysis in Discrete Dynamical Systems. <i>International Journal of Modern Nonlinear Theory and Application</i> , 2012 , 01, 14-31	0.2	1
27	Numerical approximation of a class of discontinuous systems of fractional order. <i>Nonlinear Dynamics</i> , 2011 , 66, 133-139	5	12
26	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	2	5
25	SYNTHESIZING THE L ¹ ATTRACTOR BY PARAMETER-SWITCHING. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 323-331	2	3
24	Calculation of the Structure of a Shrub in the Mandelbrot Set. <i>Discrete Dynamics in Nature and Society</i> , 2011 , 2011, 1-23	1.1	1
23	Finding stable attractors of a class of dissipative dynamical systems by numerical parameter switching. <i>Dynamical Systems</i> , 2010 , 25, 189-201	0.6	2
22	Attractors synthesis for a Lotka-Volterra like system. <i>Applied Mathematics and Computation</i> , 2010 , 216, 2107-2117	2.7	6
21	On the uniqueness of solutions to a class of discontinuous dynamical systems. <i>Nonlinear Analysis: Real World Applications</i> , 2010 , 11, 1402-1412	2.1	6
20	Chaotic behavior of a class of discontinuous dynamical systems of fractional-order. <i>Nonlinear Dynamics</i> , 2010 , 60, 525-534	5	12
19	Synthesizing attractors of Hindmarsh-Rose neuronal systems. <i>Nonlinear Dynamics</i> , 2010 , 62, 437-446	5	10

18	An averaging model for chaotic system with periodic time-varying parameter. <i>Applied Mathematics and Computation</i> , 2010 , 217, 355-362	2.7	17
17	Fractional-order attractors synthesis via parameter switchings. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010 , 15, 3745-3753	3.7	11
16	ALTERNATED JULIA SETS AND CONNECTIVITY PROPERTIES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009 , 19, 2123-2129	2	24
15	Random parameter-switching synthesis of a class of hyperbolic attractors. <i>Chaos</i> , 2008 , 18, 033111	3.3	21
14	A switching scheme for synthesizing attractors of dissipative chaotic systems. <i>Applied Mathematics and Computation</i> , 2008 , 201, 650-667	2.7	30
13	Fractal and statistical analysis on digits of irrational numbers. <i>Chaos, Solitons and Fractals</i> , 2008 , 36, 246-252	3.5	0
12	Numerical approximations of a class of switch dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2008 , 38, 184-191	9.3	5
11	Deterministic and random synthesis of discrete chaos. <i>Applied Mathematics and Computation</i> , 2007 , 192, 283-297	2.7	17
10	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	1.6	5
9	ON A DYNAMICAL SYSTEM WITH MULTIPLE CHAOTIC ATTRACTORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 3235-3251	2	41
8	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	2	7
7	Controlling chaos in discontinuous dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2004 , 22, 605-612	9.3	27
6	BIFURCATION AND CHAOS IN A COMPLEX MODEL OF DISSIPATIVE MEDIUM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 3409-3447	2	18
5	On a possible approximation of discontinuous dynamical systems. <i>Chaos, Solitons and Fractals</i> , 2002 , 13, 681-691	9.3	25
4	SYNCHRONIZATION OF SWITCH DYNAMICAL SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1813-1826	2	25
3	On a class of discontinuous dynamical systems. <i>Miskolc Mathematical Notes</i> , 2001 , 2, 103	2.1	5
2	Suppression of Chaos in a One-dimensional Mapping. <i>Journal of Biological Physics</i> , 1997 , 23, 1-9	1.6	5
1	Detailed analysis of a nonlinear prey-predator model. <i>Journal of Biological Physics</i> , 1997 , 23, 11-20	1.6	46

