

M A Aziz-Alaoui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/95026/publications.pdf>

Version: 2024-02-01

62
papers

2,207
citations

304602

22
h-index

223716

46
g-index

64
all docs

64
docs citations

64
times ranked

1325
citing authors

#	ARTICLE	IF	CITATIONS
1	Boundedness and global stability for a predator-prey model with modified Leslie-Gower and Holling-type II schemes. <i>Applied Mathematics Letters</i> , 2003, 16, 1069-1075.	1.5	418
2	Analysis of a predator-prey model with modified Leslie-Gower and Holling-type II schemes with time delay. <i>Nonlinear Analysis: Real World Applications</i> , 2006, 7, 1104-1118.	0.9	221
3	Study of a Leslie-Gower-type tritrophic population model. <i>Chaos, Solitons and Fractals</i> , 2002, 14, 1275-1293.	2.5	166
4	A multi-step differential transform method and application to non-chaotic or chaotic systems. <i>Computers and Mathematics With Applications</i> , 2010, 59, 1462-1472.	1.4	159
5	SYNCHRONIZATION OF CHAOTIC FRACTIONAL-ORDER SYSTEMS VIA LINEAR CONTROL. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 81-97.	0.7	109
6	The chikungunya disease: Modeling, vector and transmission global dynamics. <i>Mathematical Biosciences</i> , 2011, 229, 50-63.	0.9	88
7	Analysis of the dynamics of a realistic ecological model. <i>Chaos, Solitons and Fractals</i> , 2002, 13, 95-107.	2.5	86
8	Generating multi-scroll chaotic attractors by thresholding. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 3234-3239.	0.9	78
9	Optimal control of chikungunya disease: Larvae reduction, treatment and prevention. <i>Mathematical Biosciences and Engineering</i> , 2012, 9, 369-392.	1.0	67
10	Synchronization and control of coupled reaction-diffusion systems of the FitzHugh-Nagumo type. <i>Computers and Mathematics With Applications</i> , 2012, 64, 934-943.	1.4	58
11	DIFFERENTIAL EQUATIONS WITH MULTISPIRAL ATTRACTORS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 1999, 09, 1009-1039.	0.7	54
12	Deterministic and stochastic bifurcations in the Hindmarsh-Rose neuronal model. <i>Chaos</i> , 2013, 23, 033125.	1.0	52
13	Persistence and global stability in a delayed Leslie-Gower type three species food chain. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 340, 340-357.	0.5	50
14	Dynamics of a non-Lozi-type map. <i>Chaos, Solitons and Fractals</i> , 2001, 12, 2323-2341.	2.5	40
15	Global stability analysis of birhythmicity in a self-sustained oscillator. <i>Chaos</i> , 2010, 20, 013114.	1.0	33
16	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
17	Chaos in Fractional Order Cubic Chua System and Synchronization. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750161.	0.7	32
18	ASYMPTOTIC ANALYSIS OF A NEW PIECEWISE-LINEAR CHAOTIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 147-157.	0.7	29

#	ARTICLE	IF	CITATIONS
19	Effective Fokker-Planck equation for birhythmic modified van der Pol oscillator. <i>Chaos</i> , 2012, 22, 043114.	1.0	28
20	Canard phenomenon in a slow-fast modified Leslie-Gower model. <i>Mathematical Biosciences</i> , 2018, 295, 48-54.	0.9	26
21	Diffusion driven instability and Hopf bifurcation in spatial predator-prey model on a circular domain. <i>Applied Mathematics and Computation</i> , 2015, 260, 292-313.	1.4	24
22	Optimal intervention strategies for tuberculosis. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 1441-1453.	1.7	23
23	Weakly coupled two-slow-two-fast systems, folded singularities and mixed mode oscillations. <i>Nonlinearity</i> , 2014, 27, 1555-1574.	0.6	22
24	Turing Instability and Hopf Bifurcation in a Modified Leslie-Gower Predator-Prey Model with Cross-Diffusion. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850089.	0.7	19
25	A network model for control of dengue epidemic using sterile insect technique. <i>Mathematical Biosciences and Engineering</i> , 2017, 15, 441-460.	1.0	19
26	Cluster synchronization analysis of complex dynamical networks by input-to-state stability. <i>Nonlinear Dynamics</i> , 2012, 70, 1107-1115.	2.7	18
27	Existence of periodic travelling waves solutions in predator prey model with diffusion. <i>Applied Mathematical Modelling</i> , 2013, 37, 3635-3644.	2.2	18
28	On a Coupled Time-Dependent SIR Models Fitting with New York and New-Jersey States COVID-19 Data. <i>Biology</i> , 2020, 9, 135.	1.3	17
29	Large time behaviour and synchronization of complex networks of reaction-diffusion systems of FitzHugh-Nagumo type. <i>IMA Journal of Applied Mathematics</i> , 2019, 84, 416-443.	0.8	16
30	Instability and Pattern Formation in Three-Species Food Chain Model via Holling Type II Functional Response on a Circular Domain. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015, 25, 1550092.	0.7	15
31	Dynamics Analysis and Optimality in Selective Harvesting Predator-Prey Model With Modified Leslie-Gower and Holling-Type $\frac{I}{I+1}$. <i>Nonautonomous Dynamical Systems</i> , 2019, 6, 1-17.	0.3	15
32	Vibration analysis and bifurcations in the self-sustained electromechanical system with multiple functions. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2007, 12, 1534-1549.	1.7	14
33	Knowledge diffusion in complex networks. <i>Concurrency Computation Practice and Experience</i> , 2017, 29, e3791.	1.4	14
34	Local Nash Equilibrium in Social Networks. <i>Scientific Reports</i> , 2014, 4, 6224.	1.6	13
35	Mathematical Modeling of Human Behaviors During Catastrophic Events: Stability and Bifurcations. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016, 26, 1630025.	0.7	13
36	Diffusion dynamics of a conductance-based neuronal population. <i>Physical Review E</i> , 2019, 99, 042307.	0.8	13

#	ARTICLE	IF	CITATIONS
37	MODELING THE DYNAMICS OF COMPLEX INTERACTION SYSTEMS: FROM MORPHOGENESIS TO CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250025.	0.7	11
38	Sinusoidal disturbance induced topology identification of Hindmarsh-Rose neural networks. Science China Information Sciences, 2016, 59, 1.	2.7	10
39	Opinion Diffusion in Two-Layer Interconnected Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3772-3783.	3.5	10
40	Mathematical assessment of the role of environmental factors on the dynamical transmission of cholera. Communications in Nonlinear Science and Numerical Simulation, 2019, 67, 203-222.	1.7	9
41	Bifurcation and Stability in a Delayed Predator–Prey Model with Mixed Functional Responses. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1540014.	0.7	7
42	Emergence of cooperation in non-scale-free networks. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 225003.	0.7	6
43	A new piecewise linear Chen system of fractional-order: Numerical approximation of stable attractors. Chinese Physics B, 2015, 24, 060507.	0.7	6
44	Tutte Polynomials of Two Self-similar Network Models. Journal of Statistical Physics, 2019, 174, 893-905.	0.5	6
45	Complex emergent properties in synchronized neuronal oscillations. Understanding Complex Systems, 2009, , 243-259.	0.3	5
46	Global attractor of complex networks of reaction-diffusion systems of Fitzhugh-Nagumo type. Discrete and Continuous Dynamical Systems - Series B, 2018, 23, 3787-3797.	0.5	5
47	Fence-sitters protect cooperation in complex networks. Physical Review E, 2013, 88, 032127.	0.8	4
48	Modeling, Stability, Synchronization, and Chaos and Their Applications to Complex Systems. Abstract and Applied Analysis, 2014, 2014, 1-2.	0.3	4
49	Large-time dynamics in complex networks of reaction–diffusion systems applied to a panic model. IMA Journal of Applied Mathematics, 2019, 84, 974-1000.	0.8	4
50	Bifurcation Analysis and Optimal Harvesting of a Delayed Predator–Prey Model. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550012.	0.7	3
51	Targeting the quiescent cells in cancer chemotherapy treatment: Is it enough?. Applied Mathematical Modelling, 2016, 40, 4844-4858.	2.2	3
52	Synchronization analysis through coupling mechanism in realistic neural models. Applied Mathematical Modelling, 2017, 44, 557-575.	2.2	3
53	Synchronization for networks of coupled non-linear systems with external disturbances. IMA Journal of Mathematical Control and Information, 2016, 33, 191-207.	1.1	2
54	Basin of Attraction of Solutions with Pattern Formation in Slow–Fast Reaction–Diffusion Systems. Acta Biotheoretica, 2016, 64, 311-325.	0.7	2

#	ARTICLE	IF	CITATIONS
55	Propagation of Bursting Oscillations in Coupled Non-homogeneous Hodgkin-Huxley Reaction-Diffusion Systems. <i>Differential Equations and Dynamical Systems</i> , 2021, 29, 841-855.	0.5	2
56	PREDATOR-PREY DYNAMICS WITH SEASONAL WATER-LEVEL FLUCTUATIONS. <i>Journal of Biological Systems</i> , 2018, 26, 495-510.	0.5	2
57	Global Dynamics of a Three Species Predator-Prey Competition Model with Holling type II Functional Response on a Circular Domain. <i>Journal of Applied Nonlinear Dynamics</i> , 2016, 5, 93-104.	0.1	2
58	Permanence and Extinction of a Diffusive Predator-Prey Model with Robin Boundary Conditions. <i>Acta Biotheoretica</i> , 2018, 66, 367-378.	0.7	1
59	The Effect of non-Selective Harvesting in Predator-Prey Model With Modified Leslie-Gower and Holling Type II Schemes. <i>Discontinuity, Nonlinearity, and Complexity</i> , 2018, 7, 413-427.	0.1	1
60	STABILITY OF THE CONTROLLED SYNCHRONIZATION MANIFOLD IN A RING OF MUTUALLY COUPLED CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008, 18, 2397-2414.	0.7	0
61	Complex Networks Dynamics. <i>MATEC Web of Conferences</i> , 2012, 1, 07002.	0.1	0
62	Qualitative properties and hopf bifurcation in haematopoietic disease model with chemotherapy. <i>MATEC Web of Conferences</i> , 2014, 16, 10007.	0.1	0