

Gamal M Mahmoud

List of Publications by Year in descending order

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64
papers

2,322
citations

186265

28
h-index

214800

47
g-index

65
all docs

65
docs citations

65
times ranked

710
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete synchronization of chaotic complex nonlinear systems with uncertain parameters. <i>Nonlinear Dynamics</i> , 2010, 62, 875-882.	5.2	186
2	ACTIVE CONTROL AND GLOBAL SYNCHRONIZATION OF THE COMPLEX CHEN AND L [∞] SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007, 17, 4295-4308.	1.7	169
3	Phase and antiphase synchronization of two identical hyperchaotic complex nonlinear systems. <i>Nonlinear Dynamics</i> , 2010, 61, 141-152.	5.2	111
4	On the hyperchaotic complex L ^{1/4} system. <i>Nonlinear Dynamics</i> , 2009, 58, 725-738.	5.2	110
5	ANALYSIS OF HYPERCHAOTIC COMPLEX LORENZ SYSTEMS. <i>International Journal of Modern Physics C</i> , 2008, 19, 1477-1494.	1.7	92
6	Lag synchronization of hyperchaotic complex nonlinear systems. <i>Nonlinear Dynamics</i> , 2012, 67, 1613-1622.	5.2	92
7	BASIC PROPERTIES AND CHAOTIC SYNCHRONIZATION OF COMPLEX LORENZ SYSTEM. <i>International Journal of Modern Physics C</i> , 2007, 18, 253-265.	1.7	79
8	Synchronization and control of hyperchaotic complex Lorenz system. <i>Mathematics and Computers in Simulation</i> , 2010, 80, 2286-2296.	4.4	75
9	Dynamical properties and chaos synchronization of a new chaotic complex nonlinear system. <i>Nonlinear Dynamics</i> , 2007, 51, 171-181.	5.2	69
10	THE DYNAMICS OF SYSTEMS OF COMPLEX NONLINEAR OSCILLATORS: A REVIEW. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004, 14, 3821-3846.	1.7	67
11	On chaos synchronization of a complex two coupled dynamo system. <i>Chaos, Solitons and Fractals</i> , 2007, 33, 178-187.	5.1	66
12	Chaos synchronization of two different chaotic complex Chen and L ^{1/4} systems. <i>Nonlinear Dynamics</i> , 2009, 55, 43-53.	5.2	66
13	Complex modified projective synchronization of two chaotic complex nonlinear systems. <i>Nonlinear Dynamics</i> , 2013, 73, 2231-2240.	5.2	62
14	Chaos control of integer and fractional orders of chaotic Burke-Shaw system using time delayed feedback control. <i>Chaos, Solitons and Fractals</i> , 2017, 104, 680-692.	5.1	58
15	Strange attractors and chaos control in periodically forced complex Duffing's oscillators. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 292, 193-206.	2.6	53
16	On projective synchronization of hyperchaotic complex nonlinear systems based on passive theory for secure communications. <i>Physica Scripta</i> , 2013, 87, 055002.	2.5	53
17	Chaotic and hyperchaotic attractors of a complex nonlinear system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 055104.	2.1	46
18	Chaos control of chaotic limit cycles of real and complex van der Pol oscillators. <i>Chaos, Solitons and Fractals</i> , 2004, 21, 915-924.	5.1	42

#	ARTICLE	IF	CITATIONS
19	Generalization of combination synchronization of chaotic n-dimensional fractional-order dynamical systems. <i>Nonlinear Dynamics</i> , 2016, 83, 1885-1893.	5.2	41
20	Active control technique of fractional-order chaotic complex systems. <i>European Physical Journal Plus</i> , 2016, 131, 1.	2.6	37
21	Suppressing chaos of a complex Duffing's system using a random phase. <i>Chaos, Solitons and Fractals</i> , 2005, 23, 265-273.	5.1	36
22	Approximate solutions of a class of complex nonlinear dynamical systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 253, 211-222.	2.6	33
23	MODIFIED PROJECTIVE LAG SYNCHRONIZATION OF TWO NONIDENTICAL HYPERCHAOTIC COMPLEX NONLINEAR SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011, 21, 2369-2379.	1.7	31
24	Periodic solutions of strongly non-linear Mathieu oscillators. <i>International Journal of Non-Linear Mechanics</i> , 1997, 32, 1177-1185.	2.6	30
25	Periodic attractors of complex damped non-linear systems. <i>International Journal of Non-Linear Mechanics</i> , 2000, 35, 309-323.	2.6	30
26	On periodic solutions of parametrically excited complex non-linear dynamical systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 278, 390-404.	2.6	29
27	On a complex beam-beam interaction model with random forcing. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 336, 347-360.	2.6	28
28	On a complex Duffing system with random excitation. <i>Chaos, Solitons and Fractals</i> , 2008, 35, 126-132.	5.1	28
29	Passive control of n-dimensional chaotic complex nonlinear systems. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 1061-1071.	2.6	28
30	On fractional-order hyperchaotic complex systems and their generalized function projective combination synchronization. <i>Optik</i> , 2017, 130, 398-406.	2.9	28
31	On modified time delay hyperchaotic complex $L^{1/4}$ system. <i>Nonlinear Dynamics</i> , 2015, 80, 855-869.	5.2	25
32	Projective synchronization for coupled partially linear complex variable systems with known parameters. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 1214-1222.	2.3	25
33	Stability regions for coupled Hill's equations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 242, 239-249.	2.6	24
34	Double compound combination synchronization among eight n -dimensional chaotic systems. <i>Chinese Physics B</i> , 2018, 27, 080502.	1.4	23
35	Dynamical properties and synchronization of complex non-linear equations for detuned lasers. <i>Dynamical Systems</i> , 2009, 24, 63-79.	0.4	21
36	A hyperchaotic complex system generating two-, three-, and four-scroll attractors. <i>JVC/Journal of Vibration and Control</i> , 2012, 18, 841-849.	2.6	20

#	ARTICLE	IF	CITATIONS
37	Dynamics analysis of a Filippov pest control model with time delay. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105865.	3.3	20
38	Dynamics of distributed-order hyperchaotic complex van der Pol oscillators and their synchronization and control. European Physical Journal Plus, 2020, 135, 1.	2.6	19
39	ON AUTONOMOUS AND NONAUTONOMOUS MODIFIED HYPERCHAOTIC COMPLEX LÃœ SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 1913-1926.	1.7	17
40	On the generalized averaging method of a class of strongly nonlinear forced oscillators. Physica A: Statistical Mechanics and Its Applications, 1993, 199, 87-95.	2.6	16
41	Controlling hyperchaotic complex systems with unknown parameters based on adaptive passive method. Chinese Physics B, 2013, 22, 060508.	1.4	14
42	Bifurcations and chaos of time delay Lorenz system with dimension $2n+1$. European Physical Journal Plus, 2017, 132, 1.	2.6	14
43	On periodic orbits of nonlinear dynamical systems with many degrees of freedom. Physica A: Statistical Mechanics and Its Applications, 1992, 181, 385-395.	2.6	13
44	Beam-beam interaction models under narrow-band random excitation. Physica A: Statistical Mechanics and Its Applications, 2005, 346, 372-386.	2.6	12
45	On boundedness and projective synchronization of distributed order neural networks. Applied Mathematics and Computation, 2021, 404, 126198.	2.2	12
46	Synchronized Periodic Solutions of a Class of Periodically Driven Nonlinear Oscillators. Journal of Applied Mechanics, Transactions ASME, 1988, 55, 721-728.	2.2	11
47	Synchronization of time delay systems with non-diagonal complex scaling functions. Chaos, Solitons and Fractals, 2018, 111, 86-95.	5.1	11
48	Generalized Wright stability for distributed fractional-order nonlinear dynamical systems and their synchronization. Nonlinear Dynamics, 2019, 97, 413-429.	5.2	11
49	Chaotic synchronization of two complex nonlinear oscillators. Chaos, Solitons and Fractals, 2009, 42, 2858-2864.	5.1	10
50	Beam-beam interaction models with a small stochastic perturbation. Physica A: Statistical Mechanics and Its Applications, 1995, 216, 445-451.	2.6	9
51	Stability analysis for systems of nonlinear Hill's equations. Physica A: Statistical Mechanics and Its Applications, 2000, 286, 133-146.	2.6	9
52	GENERATING CHAOTIC LIMIT CYCLES FOR A COMPLEX DUFFING-VAN DER POL SYSTEM USING A RANDOM PHASE. International Journal of Modern Physics C, 2005, 16, 1437-1447.	1.7	9
53	A Technique for Studying a Class of Fractional-Order Nonlinear Dynamical Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2017, 27, 1750144.	1.7	9
54	Chaos Suppression via Integrative Time Delay Control. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050208.	1.7	9

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55	On fractional and distributed order hyperchaotic systems with line and parabola of equilibrium points and their synchronization. <i>Physica Scripta</i> , 2021, 96, 115201.	2.5	8
56	A Class of Different Fractional-Order Chaotic (Hyperchaotic) Complex Duffing-Van Der Pol Models and Their Circuits Implementations. <i>Journal of Computational and Nonlinear Dynamics</i> , 2021, 16, .	1.2	7
57	THE CONTROL OF STOCHASTIC COMPLEX DAMPED NONLINEAR SYSTEMS. <i>International Journal of Modern Physics C</i> , 2007, 18, 1263-1275.	1.7	6
58	Impulsive Control and Synchronization of Complex Lorenz Systems. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-9.	0.7	6
59	A theorem for n-dimensional strongly non-linear dynamical systems. <i>International Journal of Non-Linear Mechanics</i> , 2001, 36, 1013-1018.	2.6	5
60	Synchronization of hyperchaotic dynamical systems with different dimensions. <i>Physica Scripta</i> , 2021, 96, 125244.	2.5	5
61	On Phase and Anti-Phase Combination Synchronization of Time Delay Nonlinear Systems. <i>Journal of Computational and Nonlinear Dynamics</i> , 2018, 13, .	1.2	3
62	ON STABILIZATION OF SOLUTIONS OF COMPLEX COUPLED NONLINEAR SCHRÖDINGER EQUATIONS. <i>International Journal of Modern Physics C</i> , 2004, 15, 845-866.	1.7	2
63	Approximate first-order solutions of non-linear dynamical mappings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 312, 369-380.	2.6	1
64	On Chaotic and Hyperchaotic Complex Nonlinear Dynamical Systems. <i>World Scientific Series on Nonlinear Science, Series B</i> , 2011, , 59-84.	0.2	1