Gamal M Mahmoud

List of Publications by Year
in descending order

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	On fractional and distributed order hyperchaotic systems with line and parabola of equilibrium points and their synchronization. Physica Scripta, 2021, 96, 115201.	2.5	8
2	On boundedness and projective synchronization of distributed order neural networks. Applied Mathematics and Computation, 2021, 404, 126198.	2.2	12
3	A Class of Different Fractional-Order Chaotic (Hyperchaotic) Complex Duffing-Van Der Pol Models and Their Circuits Implementations. Journal of Computational and Nonlinear Dynamics, 2021, 16, .	1.2	7
4	Dynamics analysis of a Filippov pest control model with time delay. Communications in Nonlinear Science and Numerical Simulation, 2021, 101, 105865.	3.3	20
5	Synchronization of hyperchaotic dynamical systems with different dimensions. Physica Scripta, 2021, 96, 125244.	2.5	5
6	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
7	Chaos Suppression via Integrative Time Delay Control. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2020, 30, 2050208.	1.7	9
8	Generalized Wright stability for distributed fractional-order nonlinear dynamical systems and their synchronization. Nonlinear Dynamics, 2019, 97, 413-429.	5.2	11
9	Synchronization of time delay systems with non-diagonal complex scaling functions. Chaos, Solitons and Fractals, 2018, 111, 86-95.	5.1	11
10	Double compound combination synchronization among eight n-dimensional chaotic systems. Chinese Physics B, 2018, 27, 080502.	1.4	23
11	On Phase and Anti-Phase Combination Synchronization of Time Delay Nonlinear Systems. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	1.2	3
12	Projective synchronization for coupled partially linear complex–variable systems with known parameters. Mathematical Methods in the Applied Sciences, 2017, 40, 1214-1222.	2.3	25
13	Chaos control of integer and fractional orders of chaotic Burke–Shaw system using time delayed feedback control. Chaos, Solitons and Fractals, 2017, 104, 680-692.	5.1	58
14	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
15	Bifurcations and chaos of time delay Lorenz system with dimension 2n+1. European Physical Journal Plus, 2017, 132, 1.	2.6	14
16	On fractional-order hyperchaotic complex systems and their generalized function projective combination synchronization. Optik, 2017, 130, 398-406.	2.9	28
17	Active control technique of fractional-order chaotic complex systems. European Physical Journal Plus, 2016, 131, 1.	2.6	37
18	Generalization of combination–combination synchronization of chaotic n-dimensional fractional-order dynamical systems. Nonlinear Dynamics, 2016, 83, 1885-1893.	5.2	41

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19	On modified time delay hyperchaotic complex LÃ¼ system. Nonlinear Dynamics, 2015, 80, 855-869.	5.2	25
20	Impulsive Control and Synchronization of Complex Lorenz Systems. Abstract and Applied Analysis, 2014, 2014, 1-9.	0.7	6
21	Complex modified projective synchronization of two chaotic complex nonlinear systems. Nonlinear Dynamics, 2013, 73, 2231-2240.	5.2	62
22	On projective synchronization of hyperchaotic complex nonlinear systems based on passive theory for secure communications. Physica Scripta, 2013, 87, 055002.	2.5	53
23	Controlling hyperchaotic complex systems with unknown parameters based on adaptive passive method. Chinese Physics B, 2013, 22, 060508.	1.4	14
24	Passive control of n-dimensional chaotic complex nonlinear systems. JVC/Journal of Vibration and Control, 2013, 19, 1061-1071.	2.6	28
25	A hyperchaotic complex system generating two-, three-, and four-scroll attractors. JVC/Journal of Vibration and Control, 2012, 18, 841-849.	2.6	20
26	Lag synchronization of hyperchaotic complex nonlinear systems. Nonlinear Dynamics, 2012, 67, 1613-1622.	5.2	92
27	On Chaotic and Hyperchaotic Complex Nonlinear Dynamical Systems. World Scientific Series on Nonlinear Science, Series B, 2011, , 59-84.	0.2	1
28	MODIFIED PROJECTIVE LAG SYNCHRONIZATION OF TWO NONIDENTICAL HYPERCHAOTIC COMPLEX NONLINEAR SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2011, 21, 2369-2379.	1.7	31
29	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
30	Phase and antiphase synchronization of two identical hyperchaotic complex nonlinear systems. Nonlinear Dynamics, 2010, 61, 141-152.	5.2	111
31	Complete synchronization of chaotic complex nonlinear systems with uncertain parameters. Nonlinear Dynamics, 2010, 62, 875-882.	5.2	186
32	Synchronization and control of hyperchaotic complex Lorenz system. Mathematics and Computers in Simulation, 2010, 80, 2286-2296.	4.4	75
33	Dynamical properties and synchronization of complex non-linear equations for detuned lasers. Dynamical Systems, 2009, 24, 63-79.	0.4	21
34	Chaos synchronization of two different chaotic complex Chen and LÃ¼ systems. Nonlinear Dynamics, 2009, 55, 43-53.	5.2	66
35	On the hyperchaotic complex LÃ¼ system. Nonlinear Dynamics, 2009, 58, 725-738.	5.2	110
36	Chaotic synchronization of two complex nonlinear oscillators. Chaos, Solitons and Fractals, 2009, 42, 2858-2864.	5.1	10

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37	On a complex Duffing system with random excitation. Chaos, Solitons and Fractals, 2008, 35, 126-132.	5.1	28
38	ANALYSIS OF HYPERCHAOTIC COMPLEX LORENZ SYSTEMS. International Journal of Modern Physics C, 2008, 19, 1477-1494.	1.7	92
39	Chaotic and hyperchaotic attractors of a complex nonlinear system. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 055104.	2.1	46
40	BASIC PROPERTIES AND CHAOTIC SYNCHRONIZATION OF COMPLEX LORENZ SYSTEM. International Journal of Modern Physics C, 2007, 18, 253-265.	1.7	79
41	ACTIVE CONTROL AND GLOBAL SYNCHRONIZATION OF THE COMPLEX CHEN AND LÃœ SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 4295-4308.	1.7	169
42	THE CONTROL OF STOCHASTIC COMPLEX DAMPED NONLINEAR SYSTEMS. International Journal of Modern Physics C, 2007, 18, 1263-1275.	1.7	6
43	On chaos synchronization of a complex two coupled dynamos system. Chaos, Solitons and Fractals, 2007, 33, 178-187.	5.1	66
44	Dynamical properties and chaos synchronization of a new chaotic complex nonlinear system. Nonlinear Dynamics, 2007, 51, 171-181.	5.2	69
45	Beam–beam interaction models under narrow-band random excitation. Physica A: Statistical Mechanics and Its Applications, 2005, 346, 372-386.	2.6	12
46	Suppressing chaos of a complex Duffing's system using a random phase. Chaos, Solitons and Fractals, 2005, 23, 265-273.	5.1	36
47	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
48	ON STABILIZATION OF SOLUTIONS OF COMPLEX COUPLED NONLINEAR SCHRÖDINGER EQUATIONS. International Journal of Modern Physics C, 2004, 15, 845-866.	1.7	2
49	On a complex beam–beam interaction model with random forcing. Physica A: Statistical Mechanics and Its Applications, 2004, 336, 347-360.	2.6	28
50	Chaos control of chaotic limit cycles of real and complex van der Pol oscillators. Chaos, Solitons and Fractals, 2004, 21, 915-924.	5.1	42
51	THE DYNAMICS OF SYSTEMS OF COMPLEX NONLINEAR OSCILLATORS: A REVIEW. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3821-3846.	1.7	67
52	Approximate first-order solutions of non-linear dynamical mappings. Physica A: Statistical Mechanics and Its Applications, 2002, 312, 369-380.	2.6	1
53	Strange attractors and chaos control in periodically forced complex Duffing's oscillators. Physica A: Statistical Mechanics and Its Applications, 2001, 292, 193-206.	2.6	53
54	A theorem for n-dimensional strongly non-linear dynamical systems. International Journal of Non-Linear Mechanics, 2001, 36, 1013-1018.	2.6	5

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55	Periodic attractors of complex damped non-linear systems. International Journal of Non-Linear Mechanics, 2000, 35, 309-323.	2.6	30
56	Stability analysis for systems of nonlinear Hill's equations. Physica A: Statistical Mechanics and Its Applications, 2000, 286, 133-146.	2.6	9
57	On periodic solutions of parametrically excited complex non-linear dynamical systems. Physica A: Statistical Mechanics and Its Applications, 2000, 278, 390-404.	2.6	29
58	Approximate solutions of a class of complex nonlinear dynamical systems. Physica A: Statistical Mechanics and Its Applications, 1998, 253, 211-222.	2.6	33
59	Stability regions for coupled Hill's equations. Physica A: Statistical Mechanics and Its Applications, 1997, 242, 239-249.	2.6	24
60	Periodic solutions of strongly non-linear Mathieu oscillators. International Journal of Non-Linear Mechanics, 1997, 32, 1177-1185.	2.6	30
61	Beam-beam interaction models with a small stochastic perturbation. Physica A: Statistical Mechanics and Its Applications, 1995, 216, 445-451.	2.6	9
62	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
63	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
64	Synchronized Periodic Solutions of a Class of Periodically Driven Nonlinear Oscillators. Journal of Applied Mechanics, Transactions ASME, 1988, 55, 721-728.	2.2	11