Mohamed El-Dessoky

List of Publications by Year
in descending order

34 papers	681 citations	623734 14 h-index	552781 26 g-index
34 all docs	34 docs citations	34 times ranked	407 citing authors

#	Article	IF	Citations
1	Adaptive synchronization of a hyperchaotic system with uncertain parameter. Chaos, Solitons and Fractals, 2006, 30, 1133-1142.	5.1	126
2	Adaptive synchronization of Lü system with uncertain parameters. Chaos, Solitons and Fractals, 2004, 21, 657-667.	5.1	73
3	ADAPTIVE SYNCHRONIZATION FOR RÖSSLER AND CHUA'S CIRCUIT SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1579-1597.	1.7	54
4	Global synchronization criterion and adaptive synchronization for new chaotic system. Chaos, Solitons and Fractals, 2005, 23, 1299-1309.	5.1	40
5	Controlling chaotic behaviour for spin generator and Rossler dynamical systems with feedback control. Chaos, Solitons and Fractals, 2001, 12, 631-658.	5.1	37
6	Anti-synchronization of four scroll attractor with fully unknown parameters. Nonlinear Analysis: Real World Applications, 2010, 11, 778-783.	1.7	34
7	Synchronization and anti-synchronization of a hyperchaotic Chen system. Chaos, Solitons and Fractals, 2009, 39, 1790-1797.	5.1	31
8	SYNCHRONIZATION OF MODIFIED CHEN SYSTEM. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 3969-3979.	1.7	29
9	Global synchronization criterion and adaptive synchronization for new chaotic system. Chaos, Solitons and Fractals, 2005, 23, 1299-1309.	5.1	28
10	Existence of heteroclinic and homoclinic orbits in two different chaotic dynamical systems. Applied Mathematics and Computation, 2012, 218, 11859-11870.	2.2	26
11	Bifurcation analysis and chaos control in Shimizu–Morioka chaotic system with delayed feedback. Applied Mathematics and Computation, 2014, 243, 283-297.	2.2	25
12	Adaptive synchronization for four-scroll attractor with fully unknown parameters. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 349, 187-191.	2.1	20
13	Quiescence as an explanation of Gompertzian tumor growth revisited. Mathematical Biosciences, 2014, 254, 76-82.	1.9	18
14	Synchronization and adaptive synchronization of nuclear spin generator system. Chaos, Solitons and Fractals, 2001, 12, 1091-1099.	5.1	16
15	Modeling and analysis of an epidemic model with fractal-fractional Atangana-Baleanu derivative. AEJ - Alexandria Engineering Journal, 2022, 61, 729-746.	6.4	15
16	Synchronization of van der Pol oscillator and Chen chaotic dynamical system. Chaos, Solitons and Fractals, 2008, 36, 1425-1435.	5.1	13
17	Mathematical modeling and analysis of the novel Coronavirus using Atangana–Baleanu derivative. Results in Physics, 2021, 25, 104240.	4.1	12
18	Modeling and analysis of the polluted lakes system with various fractional approaches. Chaos, Solitons and Fractals, 2020, 134, 109720.	5.1	10

#	Article	IF	Citations
19	Modeling the dynamics of the novel coronavirus using Caputo-Fabrizio derivative. AEJ - Alexandria Engineering Journal, 2021, 60, 4651-4662.	6.4	10
20	Adaptive Feedback Control for Chaos Control and Synchronization for New Chaotic Dynamical System. Mathematical Problems in Engineering, 2012, 2012, 1-12.	1.1	9
21	Control and adaptive modified function projective synchronization of a new hyperchaotic system. AEJ - Alexandria Engineering Journal, 2021, 60, 3985-3990.	6.4	9
22	Adaptive anti-synchronization of different chaotic dynamical systems. Chaos, Solitons and Fractals, 2009, 42, 2174-2180.	5.1	8
23	Global stabilization of some chaotic dynamical systems. Chaos, Solitons and Fractals, 2009, 42, 1584-1598.	5.1	5
24	On the periodicity of solutions of max–type difference equation. Mathematical Methods in the Applied Sciences, 2015, 38, 3295-3307.	2.3	5
25	Dynamics and Solutions of a Fifth-Order Nonlinear Difference Equation. Discrete Dynamics in Nature and Society, 2018, 2018, 1-21.	0.9	5
26	Global dynamics of a cell quota-based model of light-dependent algae growth in a chemostat. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105295.	3.3	5
27	Adaptive Coupled Synchronization of Coupled Chaotic Dynamical Systems. Trends in Applied Sciences Research, 2007, 2, 88-102.	0.4	5
28	Generalized Projective Synchronization for Different Hyperchaotic Dynamical Systems. Discrete Dynamics in Nature and Society, 2011, 2011, 1-19.	0.9	3
29	Global Attractivity and Periodic Character of Difference Equation of Order Four. Discrete Dynamics in Nature and Society, 2012, 2012, 1-20.	0.9	2
30	Solution for Rational Systems of Difference Equations of Order Three. Mathematics, 2016, 4, 53.	2.2	2
31	Resonant optical solitons of nonlinear Schrödinger equation with dual power law nonlinearity. Physica A: Statistical Mechanics and Its Applications, 2020, 543, 122445.	2.6	2
32	Corrigendum "Modeling and analysis of the polluted lakes system with various fractional approaches". Chaos, Solitons and Fractals, 2020, 135, 109776.	5.1	2
33	Synchronization and Adaptive Synchronization of Hyperchaotic Lu Dynamical System. Trends in Applied Sciences Research, 2008, 3, 129-141.	0.4	2
34	Bifurcation analysis and chaos control in Zhou's dynamical system. Engineering Computations, 2022, ahead-of-print, .	1.4	0