

P Prakash

List of Publications by Year in descending order

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50
papers

1,240
citations

394421

19
h-index

377865

34
g-index

50
all docs

50
docs citations

50
times ranked

805
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-fragile synchronization of memristor-based neural networks using passivity theory. Neural Networks, 2016, 74, 85-100.	2.2	97
2	Reliable anti-synchronization conditions for BAM memristive neural networks with different memductance functions. Applied Mathematics and Computation, 2016, 275, 213-228.	3.3	79
3	Non-fragile synchronization of memristive BAM networks with random feedback gain fluctuations. Communications in Nonlinear Science and Numerical Simulation, 2015, 29, 427-440.	4.8	77
4	Numerical study on mixed convection in a lid-driven cavity with non-uniform heating on both sidewalls. International Journal of Heat and Mass Transfer, 2010, 53, 4304-4315.	2.7	73
5	Effect of heating location and size on mixed convection in lid-driven cavities. Computers and Mathematics With Applications, 2010, 59, 3053-3065.	5.1	68
6	On Lie symmetry analysis and invariant subspace methods of coupled time fractional partial differential equations. Chaos, Solitons and Fractals, 2017, 104, 107-120.	5.2	62
7	Exact solution of certain time fractional nonlinear partial differential equations. Nonlinear Dynamics, 2016, 85, 659-673.	5.9	61
8	Combined H ∞ and passivity state estimation of memristive neural networks with random gain fluctuations. Neurocomputing, 2015, 168, 1111-1120.	3.3	41
9	Exact solutions and maximal dimension of invariant subspaces of time fractional coupled nonlinear partial differential equations. Communications in Nonlinear Science and Numerical Simulation, 2017, 42, 158-177.	5.9	40
10	Reliable stabilization for memristor-based recurrent neural networks with time-varying delays. Neurocomputing, 2015, 153, 140-147.	4.0	40
11	Passivity of memristor-based BAM neural networks with different memductance and uncertain delays. Cognitive Neurodynamics, 2016, 10, 339-351.	5.9	38
12	Sampled-data state estimation for genetic regulatory networks with time-varying delays. Neurocomputing, 2015, 151, 737-744.	2.1	35
13	Mixed Convection in a Lid-Driven Two-Dimensional Square Cavity with Corner Heating and Internal Heat Generation. Numerical Heat Transfer; Part A: Applications, 2014, 65, 269-286.	5.2	35
14	Lie symmetry analysis and exact solution of certain fractional ordinary differential equations. Nonlinear Dynamics, 2017, 89, 305-319.	2.7	32
15	Oscillation of certain nonlinear fractional partial differential equation with damping term. Applied Mathematics Letters, 2015, 43, 72-79.	0.9	31
16	Higher-Order Numerical Scheme for the Fractional Heat Equation with Dirichlet and Neumann Boundary Conditions. Numerical Heat Transfer, Part B: Fundamentals, 2013, 63, 540-559.	2.2	27
17	Forced oscillation of solutions of a nonlinear fractional partial differential equation. Applied Mathematics and Computation, 2015, 254, 14-19.	1.4	25
18	Fuzzy fractional initial value problem. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2691-2704.		

#	ARTICLE	IF	CITATIONS
19	Generalized Tikhonov methods for an inverse source problem of the time-fractional diffusion equation. <i>Chaos, Solitons and Fractals</i> , 2018, 108, 39-48.	5.1	25
20	Fractional diffusion equation-based image denoising model using CNGL scheme. <i>International Journal of Computer Mathematics</i> , 2018, 95, 1222-1239.	1.8	20
21	Numerical solution of hybrid fuzzy differential equations by predictor-corrector method. <i>International Journal of Computer Mathematics</i> , 2009, 86, 121-134.	1.8	18
22	Oscillation of a time fractional partial differential equation. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2014, , 1-10.	0.5	18
23	Exact solutions of generalized nonlinear time-fractional reaction-diffusion equations with time delay. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	14
24	New exact solutions of generalized convection-reaction-diffusion equation. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	13
25	New LMI-Based Passivity Criteria for Neutral-Type BAM Neural Networks with Randomly Occurring Uncertainties. <i>Reports on Mathematical Physics</i> , 2013, 72, 263-286.	0.8	12
26	Oscillation of solutions of impulsive vector hyperbolic differential equations with delays. <i>Applicable Analysis</i> , 2012, 91, 459-473.	1.3	11
27	Invariant subspaces and exact solutions for a system of fractional PDEs in higher dimensions. <i>Computational and Applied Mathematics</i> , 2019, 38, 1.	2.2	10
28	Optimization method for determining the source term in fractional diffusion equation. <i>Mathematics and Computers in Simulation</i> , 2019, 155, 168-176.	4.4	9
29	On Lie Symmetry Analysis of Certain Coupled Fractional Ordinary Differential Equations. <i>Journal of Nonlinear Mathematical Physics</i> , 2021, 28, 219.	1.3	9
30	On group analysis, conservation laws and exact solutions of time-fractional Kudryashov-Sinelshchikov equation. <i>Computational and Applied Mathematics</i> , 2021, 40, 1.	2.2	9
31	Invariant subspace method for nonlinear time-fractional partial differential equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 13, 1-9.	3.3	9
32	Extremal Solutions and Relaxation Problems for Fractional Differential Inclusions. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-9.	0.7	8
33	Invariant subspaces and exact solutions for some types of scalar and coupled time-space fractional diffusion equations. <i>Pramana - Journal of Physics</i> , 2020, 94, 1.	1.8	8
34	On fuzzy Volterra integral equations with deviating arguments. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 2004, 2004, 169-176.	0.3	7
35	NUMERICAL STUDY OF MIXED CONVECTION IN A LID-DRIVEN CAVITY WITH PARTIAL HEATING/COOLING AND INTERNAL HEAT GENERATION. <i>Heat Transfer Research</i> , 2012, 43, 461-482.	1.6	7
36	Similarity solutions of fractional parabolic boundary value problems with uncertainty. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 102, 105926.	3.3	7

#	ARTICLE	IF	CITATIONS
37	Initial value problem for the $(2+1)$ -dimensional time-fractional generalized convection–reaction–diffusion wave equation: invariant subspaces and exact solutions. Computational and Applied Mathematics, 2022, 41, 1.	2.2	7
38	Invariant solutions of hyperbolic fuzzy fractional differential equations. Modern Physics Letters B, 2020, 34, 2050015.	1.9	6
39	Variable-Order Fractional Diffusion Model-Based Medical Image Denoising. Mathematical Problems in Engineering, 2021, 2021, 1-10.	1.1	6
40	Third-order three-point fuzzy boundary value problems. Nonlinear Analysis: Hybrid Systems, 2009, 3, 323-333.	3.5	5
41	Global Existence for Functional Differential Equations with State-Dependent Delay. Journal of Function Spaces and Applications, 2013, 2013, 1-7.	0.5	5
42	Numerical Solutions of Fuzzy Differential Equations by Using Hybrid Methods. Fuzzy Information and Engineering, 2012, 4, 445-455.	1.7	4
43	Lie symmetry analysis and conservation laws of certain time fractional partial differential equations. International Journal of Dynamical Systems and Differential Equations, 2019, 9, 44.	0.0	4
44	Mixed Finite Element Methods for Fourth Order Elliptic Optimal Control Problems. Numerical Mathematics, 2016, 9, 528-548.	1.3	3
45	Efficient resource prediction model for small and medium scale cloud data centers. Journal of Intelligent and Fuzzy Systems, 2020, 39, 4731-4747.	1.4	3
46	Lie symmetry analysis and conservation laws of certain time fractional partial differential equations. International Journal of Dynamical Systems and Differential Equations, 2019, 9, 44.	0.0	1
47	Oscillation criteria for solution of hyperbolic delay dynamic equations with time and spatial variables on arbitrary time scales. Journal of Applied Mathematics and Computing, 2021, 67, 207-219.	2.5	0
48	THIRD ORDER THREE POINT FUZZY BOUNDARY VALUE PROBLEM UNDER GENERALIZED DIFFERENTIABILITY. Journal of Applied Mathematics & Informatics, 2014, 32, 791-805.	0.1	0
49	Numerical Solution of Fuzzy Delay Functional Differential Equations by Euler Method. Journal of Applied Nonlinear Dynamics, 2015, 4, 11-19.	0.3	0
50	Oscillatory Behaviour of the Nonlinear Damped Fractional Partial Dynamic Equation. Advances in Mathematical Physics, 2022, 2022, 1-8.	0.8	0