

# 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	Oscillatory Behaviour of the Nonlinear Damped Fractional Partial Dynamic Equation. Advances in Mathematical Physics, 2022, 2022, 1-8. Invariant subspace method for $\frac{d^2 u}{dt^2} + \mu u = f(t)$	0.8	0
2	non-linear time-fractional partial differential equations. Communications in Nonlinear Science and 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.	3.3	9
3	On Lie Symmetry Analysis of Certain Coupled Fractional Ordinary Differential Equations. Journal of Nonlinear Mathematical Physics, 2021, 28, 219.	2.2	7
4	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.	1.3	9
5	On group analysis, conservation laws and exact solutions of time-fractional Kudryashov-Sinelshchikov equation. Computational and Applied Mathematics, 2021, 40, 1.	2.5	0
6	Similarity solutions of fractional parabolic boundary value problems with uncertainty. Communications in Nonlinear Science and Numerical Simulation, 2021, 102, 105926.	2.2	9
7	Variable-Order Fractional Diffusion Model-Based Medical Image Denoising. Mathematical Problems in Engineering, 2021, 2021, 1-10.	3.3	7
8	Invariant solutions of hyperbolic fuzzy fractional differential equations. Modern Physics Letters B, 2020, 34, 2050015.	1.1	6
9	Invariant subspaces and exact solutions for some types of scalar and coupled time-space fractional diffusion equations. Pramana - Journal of Physics, 2020, 94, 1.	1.9	6
10	Efficient resource prediction model for small and medium scale cloud data centers. Journal of Intelligent and Fuzzy Systems, 2020, 39, 4731-4747.	1.8	8
11	Exact solutions of generalized nonlinear time-fractional reaction-diffusion equations with time delay. European Physical Journal Plus, 2020, 135, 1.	1.4	3
12	New exact solutions of generalized convection-reaction-diffusion equation. European Physical Journal Plus, 2019, 134, 1.	2.6	14
13	Invariant subspaces and exact solutions for a system of fractional PDEs in higher dimensions. Computational and Applied Mathematics, 2019, 38, 1.	2.6	13
14	Lie symmetry analysis and conservation laws of certain time fractional partial differential equations. International Journal of Dynamical Systems and Differential Equations, 2019, 9, 44.	2.2	10
15	Optimization method for determining the source term in fractional diffusion equation. Mathematics and Computers in Simulation, 2019, 155, 168-176.	0.0	1
16	Lie symmetry analysis and conservation laws of certain time fractional partial differential equations. International Journal of Dynamical Systems and Differential Equations, 2019, 9, 44.	4.4	9
17	Generalized Tikhonov methods for an inverse source problem of the time-fractional diffusion equation. Chaos, Solitons and Fractals, 2018, 108, 39-48.	0.0	4
18		5.1	25

#	ARTICLE	IF	CITATIONS
19	Fractional diffusion equation-based image denoising model using CNGL scheme. International Journal of Computer Mathematics, 2018, 95, 1222-1239.	1.8	20
20	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.	3.3	41
21	Lie symmetry analysis and exact solution of certain fractional ordinary differential equations. Nonlinear Dynamics, 2017, 89, 305-319.	5.2	35
22	On Lie symmetry analysis and invariant subspace methods of coupled time fractional partial differential equations. Chaos, Solitons and Fractals, 2017, 104, 107-120.	5.1	68
23	Mixed Finite Element Methods for Fourth Order Elliptic Optimal Control Problems. Numerical Mathematics, 2016, 9, 528-548.	1.3	3
24	Passivity of memristor-based BAM neural networks with different memductance and uncertain delays. Cognitive Neurodynamics, 2016, 10, 339-351.	4.0	40
25	Exact solution of certain time fractional nonlinear partial differential equations. Nonlinear Dynamics, 2016, 85, 659-673.	5.2	62
26	Reliable anti-synchronization conditions for BAM memristive neural networks with different memductance functions. Applied Mathematics and Computation, 2016, 275, 213-228.	2.2	97
27	Non-fragile $\hat{H}$ and passivity state estimation of memristive neural networks with random gain fluctuations. Neural Networks, 2016, 74, 85-100.	1.2	12
28	Non-fragile synchronization of memristive BAM networks with random feedback gain fluctuations. Communications in Nonlinear Science and Numerical Simulation, 2015, 29, 427-440.	3.3	79
29	Forced oscillation of solutions of a nonlinear fractional partial differential equation. Applied Mathematics and Computation, 2015, 254, 14-19.	2.2	27
30	Fuzzy fractional initial value problem. Journal of Intelligent and Fuzzy Systems, 2015, 28, 2691-2704.	1.4	25
31	Combined $\hat{H}$ and passivity state estimation of memristive neural networks with random gain fluctuations. Neurocomputing, 2015, 168, 1111-1120.	5.9	61
32	Reliable stabilization for memristor-based recurrent neural networks with time-varying delays. Neurocomputing, 2015, 153, 140-147.	5.9	40
33	Oscillation of certain nonlinear fractional partial differential equation with damping term. Applied Mathematics Letters, 2015, 43, 72-79.	2.7	32
34	Sampled-data state estimation for genetic regulatory networks with time-varying delays. Neurocomputing, 2015, 151, 737-744.	5.9	38
35	Numerical Solution of Fuzzy Delay Functional Differential Equations by Euler Method. Journal of Applied Nonlinear Dynamics, 2015, 4, 11-19.	0.3	0
36	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.	2.1	35

#	ARTICLE	IF	CITATIONS
37	Oscillation of a time fractional partial differential equation. <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2014, , 1-10.	0.5	18
38	THIRD ORDER THREE POINT FUZZY BOUNDARY VALUE PROBLEM UNDER GENERALIZED DIFFERENTIABILITY. <i>Journal of Applied Mathematics &amp; Informatics</i> , 2014, 32, 791-805.	0.1	0
39	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
40	Global Existence for Functional Differential Equations with State-Dependent Delay. <i>Journal of Function Spaces and Applications</i> , 2013, 2013, 1-7.	0.5	5
41	Extremal Solutions and Relaxation Problems for Fractional Differential Inclusions. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-9.	0.7	8
42	Higher-Order Numerical Scheme for the Fractional Heat Equation with Dirichlet and Neumann Boundary Conditions. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2013, 63, 540-559.	0.9	31
43	Oscillation of solutions of impulsive vector hyperbolic differential equations with delays. <i>Applicable Analysis</i> , 2012, 91, 459-473.	1.3	11
44	Numerical Solutions of Fuzzy Differential Equations by Using Hybrid Methods. <i>Fuzzy Information and Engineering</i> , 2012, 4, 445-455.	1.7	4
45	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
46	Numerical study on mixed convection in a lid-driven cavity with non-uniform heating on both sidewalls. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 4304-4315.	4.8	77
47	Effect of heating location and size on mixed convection in lid-driven cavities. <i>Computers and Mathematics With Applications</i> , 2010, 59, 3053-3065.	2.7	73
48	Third-order three-point fuzzy boundary value problems. <i>Nonlinear Analysis: Hybrid Systems</i> , 2009, 3, 323-333.	3.5	5
49	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
50	On fuzzy Volterra integral equations with deviating arguments. <i>Journal of Applied Mathematics and Stochastic Analysis</i> , 2004, 2004, 169-176.	0.3	7