

Afshin Babaei

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5736700/afshin-babaei-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

387
citations

11
h-index

19
g-index

36
ext. papers

466
ext. citations

3
avg, IF

4.85
L-index

#	Paper	IF	Citations
32	A fractional order HIV/AIDS model based on the effect of screening of unaware infectives. <i>Mathematical Methods in the Applied Sciences</i> , 2019 , 42, 2334-2343	2.3	44
31	Numerical solution of variable-order fractional integro-partial differential equations via Sinc collocation method based on single and double exponential transformations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020 , 82, 104985	3.7	44
30	Numerical solution of variable order fractional nonlinear quadratic integro-differential equations based on the sixth-kind Chebyshev collocation method. <i>Journal of Computational and Applied Mathematics</i> , 2020 , 377, 112908	2.4	42
29	A computationally efficient method for tempered fractional differential equations with application. <i>Computational and Applied Mathematics</i> , 2018 , 37, 3657-3671		27
28	A Novel Approach for Solving an Inverse Reaction-Diffusion-Convection Problem. <i>Journal of Optimization Theory and Applications</i> , 2019 , 183, 688-704	1.6	25
27	Mathematical models of HIV/AIDS and drug addiction in prisons. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	24
26	A series solution of the nonlinear Volterra and Fredholm integro-differential equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010 , 15, 205-215	3.7	22
25	Solving the inverse problem of identifying an unknown source term in a parabolic equation. <i>Computers and Mathematics With Applications</i> , 2010 , 60, 1209-1213	2.7	19
24	Mathematical analysis of a stochastic model for spread of Coronavirus. <i>Chaos, Solitons and Fractals</i> , 2021 , 145, 110788	9.3	19
23	A mathematical model to examine the effect of quarantine on the spread of coronavirus. <i>Chaos, Solitons and Fractals</i> , 2021 , 142, 110418	9.3	18
22	A Collocation Approach for Solving Time-Fractional Stochastic Heat Equation Driven by an Additive Noise. <i>Symmetry</i> , 2020 , 12, 904	2.7	13
21	A stable numerical scheme for a time fractional inverse parabolic equation. <i>Inverse Problems in Science and Engineering</i> , 2017 , 25, 1474-1491	1.3	11
20	Reconstructing unknown nonlinear boundary conditions in a time-fractional inverse reaction-diffusion-convection problem. <i>Numerical Methods for Partial Differential Equations</i> , 2019 , 35, 976-992	2.5	11
19	A Stable Numerical Approach to Solve a Time-Fractional Inverse Heat Conduction Problem 2018 , 42, 2225-2236		11
18	Approximate analytical solutions of the nonlinear reaction-diffusion-convection problems. <i>Mathematical and Computer Modelling</i> , 2011 , 53, 261-268		8
17	A series solution of the Cauchy problem for the generalized . <i>Computers and Mathematics With Applications</i> , 2010 , 59, 1500-1508	2.7	8
16	The Sinc-Galerkin method for solving an inverse parabolic problem with unknown source term. <i>Numerical Methods for Partial Differential Equations</i> , 2013 , 29, 64-78	2.5	6

15	A study on the d-dimensional Schrödinger equation with a power-law nonlinearity. <i>Chaos, Solitons and Fractals</i> , 2009 , 42, 2154-2158	9.3	5
14	A novel collocation approach to solve a nonlinear stochastic differential equation of fractional order involving a constant delay. <i>Discrete and Continuous Dynamical Systems - Series S</i> , 2021 ,	2.8	5
13	Numerical simulation of the Hurst index of solutions of fractional stochastic dynamical systems driven by fractional Brownian motion. <i>Journal of Computational and Applied Mathematics</i> , 2021 , 386, 113210	2.4	4
12	Numerical treatment of a fractional order system of nonlinear stochastic delay differential equations using a computational scheme. <i>Chaos, Solitons and Fractals</i> , 2021 , 149, 111018	9.3	4
11	A Coupled Method for Solving a Class of Time Fractional Convection-Diffusion Equations with Variable Coefficients. <i>Computational Mathematics and Modeling</i> , 2017 , 28, 109-117	0.5	3
10	A New Accurate Approach to Solve the Cauchy Problem of the Kolmogorov-Petrovskii-Biskunov Equations. <i>International Journal of Applied and Computational Mathematics</i> , 2017 , 3, 343-356	1.3	2
9	On Analytical Approximate Solution of the Fractional Type Rosenau-Hyman Equation. <i>Fundamenta Informaticae</i> , 2017 , 151, 135-143	1	2
8	A stable collocation approach to solve a neutral delay stochastic differential equation of fractional order. <i>Journal of Computational and Applied Mathematics</i> , 2022 , 403, 113845	2.4	2
7	On the stable implicit finite differences approximation of diffusion equation with the time fractional derivative without singular kernel. <i>Asian-European Journal of Mathematics</i> , 2020 , 13, 2050111	0.4	2
6	An efficient numerical approach to solve a class of variable-order fractional integro-partial differential equations. <i>Numerical Methods for Partial Differential Equations</i> , 2021 , 37, 674-689	2.5	2
5	Computational technique for a class of nonlinear distributed-order fractional boundary value problems with singular coefficients. <i>Computational and Applied Mathematics</i> , 2021 , 40, 1	2.4	1
4	A numerical scheme to solve a class of two-dimensional nonlinear time-fractional diffusion equations of distributed order. <i>Engineering With Computers</i> , 2020 , 1	4.5	
3	Stabilized Solution for a Time-Fractional Inverse Problem with an Unknown Nonlinear Condition. <i>Computational Mathematics and Modeling</i> , 2019 , 30, 340-351	0.5	
2	A Chebyshev Collocation Approach to Solve Fractional Fisher-Kolmogorov-Petrovskii-Biskunov Equation with Nonlocal Condition. <i>Fractal and Fractional</i> , 2022 , 6, 160	3	
1	An efficient computational scheme to solve a class of fractional stochastic systems with mixed delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022 , 111, 106408	3.7	