

Jianxiong Cao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

410
citations

1162889

8
h-index

1281743

11
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17
all docs

17
docs citations

17
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	High-order approximation to Caputo derivatives and Caputo-type advection-diffusion equations (II). <i>Fractional Calculus and Applied Analysis</i> , 2015, 18, 735-761.	1.2	82
2	Backstepping dynamic surface control for a class of non-linear systems with time-varying output constraints. <i>IET Control Theory and Applications</i> , 2015, 9, 2312-2319.	1.2	81
3	High-order approximation to Caputo derivatives and Caputo-type advection-diffusion equations (III). <i>Journal of Computational and Applied Mathematics</i> , 2016, 299, 159-175.	1.1	75
4	A compact finite difference scheme for variable order subdiffusion equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2017, 48, 140-149.	1.7	38
5	Blow-up and global solutions for a class of time fractional nonlinear reaction-diffusion equation with weakly spatial source. <i>Applied Mathematics Letters</i> , 2019, 91, 201-206.	1.5	28
6	A high order numerical scheme for variable order fractional ordinary differential equation. <i>Applied Mathematics Letters</i> , 2016, 61, 88-94.	1.5	26
7	Compact difference method for solving the fractional reaction-subdiffusion equation with Neumann boundary value condition. <i>International Journal of Computer Mathematics</i> , 2015, 92, 167-180.	1.0	21
8	On tempered and substantial fractional calculus. , 2014, , .		17
9	A limited-memory block bi-diagonal Toeplitz preconditioner for block lower triangular Toeplitz system from time-space fractional diffusion equation. <i>Journal of Computational and Applied Mathematics</i> , 2019, 362, 99-115.	1.1	11
10	Hidden hyperchaotic attractors in a new 4D fractional order system and its synchronization. <i>Chaos</i> , 2020, 30, 033129.	1.0	11
11	A finite difference method for time-fractional telegraph equation. , 2012, , .		9
12	Gronwall inequalities. <i>Interdisciplinary Mathematical Sciences</i> , 2013, , 1-22.	0.4	5
13	Finite difference scheme for the time-space fractional diffusion equations. <i>Open Physics</i> , 2013, 11, .	0.8	3
14	Multi-UAV-based optimal crop-dusting of anomalously diffusing infestation of crops. , 2015, , .		2
15	Tailored finite point method for time fractional convection dominated diffusion problems with boundary layers. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	1
16	Solutions induced from bright solitons for nucleon-meson model. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	0
17	A tailored finite point method for subdiffusion equation with anisotropic and discontinuous diffusivity. <i>Applied Mathematics and Computation</i> , 2021, 401, 125907.	1.4	0