Jianxiong Cao

List of Publications by Year
in descending order

17 papers	410 citations	1163117 8 h-index	1281871 11 g-index
17 all docs	17 docs citations	17 times ranked	347 citing authors

#	Article	IF	Citations
1	A tailored finite point method for subdiffusion equation with anisotropic and discontinuous diffusivity. Applied Mathematics and Computation, 2021, 401, 125907.	2.2	0
2	Hidden hyperchaotic attractors in a new 4D fractional order system and its synchronization. Chaos, 2020, 30, 033129.	2.5	11
3	A limited-memory block bi-diagonal Toeplitz preconditioner for block lower triangular Toeplitz system from timeâ€"space fractional diffusion equation. Journal of Computational and Applied Mathematics, 2019, 362, 99-115.	2.0	11
4	Blow-up and global solutions for a class of time fractional nonlinear reactionâ€"diffusion equation with weakly spatial source. Applied Mathematics Letters, 2019, 91, 201-206.	2.7	28
5	Solutions induced from bright solitons for nucleonâ€"meson model. Advances in Difference Equations, 2018, 2018, .	3.5	0
6	A compact finite difference scheme for variable order subdiffusion equation. Communications in Nonlinear Science and Numerical Simulation, 2017, 48, 140-149.	3.3	38
7	A high order numerical scheme for variable order fractional ordinary differential equation. Applied Mathematics Letters, 2016, 61, 88-94.	2.7	26
8	High-order approximation to Caputo derivatives and Caputo-type advectionâ€"diffusion equations (III). Journal of Computational and Applied Mathematics, 2016, 299, 159-175.	2.0	75
9	High-order approximation to Caputo derivatives and Caputo-type advection-diffusion equations (II). Fractional Calculus and Applied Analysis, 2015, 18, 735-761.	2.2	82
10	Backstepping dynamic surface control for a class of nonâ€linear systems with timeâ€varying output constraints. IET Control Theory and Applications, 2015, 9, 2312-2319.	2.1	81
11	Multi-UAV-based optimal crop-dusting of anomalously diffusing infestation of crops. , 2015, , .		2
12	Compact difference method for solving the fractional reactionâ€"subdiffusion equation with Neumann boundary value condition. International Journal of Computer Mathematics, 2015, 92, 167-180.	1.8	21
13	On tempered and substantial fractional calculus. , 2014, , .		17
14	Finite difference scheme for the time-space fractional diffusion equations. Open Physics, 2013, 11, .	1.7	3
15	Gronwall inequalities. Interdisciplinary Mathematical Sciences, 2013, , 1-22.	0.4	5
16	A finite difference method for time-fractional telegraph equation. , 2012, , .		9
17	Tailored finite point method for time fractional convection dominated diffusion problems with boundary layers. Mathematical Methods in the Applied Sciences, 0, , .	2.3	1