Hongbin

List of Publications by Year
in descending order

14 papers	273 citations	933447 10 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	116 citing authors

#	Article	IF	Citations
1	An implicit difference scheme and algorithm implementation for the one-dimensional time-fractional Burgers equations. Mathematics and Computers in Simulation, 2019, 166, 298-314.	4.4	44
2	A second-order BDF compact difference scheme for fractional-order Volterra equation. International Journal of Computer Mathematics, 2016, 93, 1140-1154.	1.8	40
3	A second order BDF alternating direction implicit difference scheme for the two-dimensional fractional evolution equation. Applied Mathematical Modelling, 2017, 41, 54-67.	4.2	33
4	A second-order accurate numerical method with graded meshes for an evolution equation with a weakly singular kernel. Journal of Computational and Applied Mathematics, 2019, 356, 152-163.	2.0	32
5	An alternating direction implicit fractional trapezoidal rule type difference scheme for the two-dimensional fractional evolution equation. International Journal of Computer Mathematics, 2015, 92, 2178-2197.	1.8	27
6	A formally second-order BDF finite difference scheme for the integro-differential equations with the multi-term kernels. International Journal of Computer Mathematics, 2020, 97, 2055-2073.	1.8	21
7	A formally second order BDF ADI difference scheme for the three-dimensional time-fractional heat equation. International Journal of Computer Mathematics, 2020, 97, 1100-1117.	1.8	16
8	Effectiveness of impregnation of ammonium polyphosphate fire retardant in poplar wood using microwave heating. Fire and Materials, 2016, 40, 818-825.	2.0	15
9	A backward Euler alternating direction implicit difference scheme for the three‐dimensional fractional evolution equation. Numerical Methods for Partial Differential Equations, 2018, 34, 938-958.	3.6	15
10	A backward Euler difference scheme for the integro-differential equations with the multi-term kernels. International Journal of Computer Mathematics, 2020, 97, 1254-1267.	1.8	12
11	Three semi-implicit compact finite difference schemes for the nonlinear partial integro-differential equation arising from viscoelasticity. International Journal of Modelling and Simulation, 2021, 41, 234-242.	3.3	8
12	A Crank–Nicolson-type finite-difference scheme and its algorithm implementation for a nonlinear partial integro-differential equation arising from viscoelasticity. Computational and Applied Mathematics, 2020, 39, 1.	2.2	5
13	On explicit form of the FEM stiffness matrix for the integral fractional Laplacian on non-uniform meshes. Applied Mathematics Letters, 2021, 113, 106864.	2.7	3
14	A predictor–corrector compact finite difference scheme for a nonlinear partial integro-differential equation. International Journal of Nonlinear Sciences and Numerical Simulation, 2022, 23, 553-563.	1.0	2