Shuying Zhai

List of Publications by Year
in descending order

12 papers	169 citations	1040056 9 h-index	1199594 12 g-index
12 all docs	12 docs citations	12 times ranked	109 citing authors

#	ARTICLE	IF	CITATIONS
1	A Family of Fourth-Order and Sixth-Order Compact Difference Schemes for the Three-Dimensional Poisson Equation. Journal of Scientific Computing, 2013, 54, 97-120.	2.3	30
2	A Novel Method to Deduce a High-Order Compact Difference Scheme for the Three-Dimensional Semilinear Convection-Diffusion Equation with Variable Coefficients. Numerical Heat Transfer, Part B: Fundamentals, 2013, 63, 425-455.	0.9	22
3	A block-centered finite-difference method for the time-fractional diffusion equation on nonuniform grids. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 217-233.	0.9	21
4	Error Analysis and Numerical Simulations of Strang Splitting Method for Space Fractional Nonlinear Schrödinger Equation. Journal of Scientific Computing, 2019, 81, 965-989.	2.3	21
5	Investigations on several compact ADI methods for the 2D time fractional diffusion equation. Numerical Heat Transfer, Part B: Fundamentals, 2016, 69, 364-376.	0.9	15
6	Meshless local Petrov Galerkin method for 2D/3D nonlinear convection–diffusion equations based on LS-RBF-PUM. Numerical Heat Transfer, Part B: Fundamentals, 2018, 74, 450-464.	0.9	15
7	A New High-Order Compact ADI Method for 3-D Unsteady Convection-Diffusion Problems with Discontinuous Coefficients. Numerical Heat Transfer, Part B: Fundamentals, 2014, 65, 376-391.	0.9	12
8	Analysis of the operator splitting scheme for the Cahn–Hilliard equation with a viscosity term. Numerical Methods for Partial Differential Equations, 2019, 35, 1949-1970.	3.6	11
9	Numerical approximation of the fractional Cahn-Hilliard equation by operator splitting method. Numerical Algorithms, 2020, 84, 1155-1178.	1.9	10
10	New High-Order Compact ADI Algorithms for 3D Nonlinear Time-Fractional Convection-Diffusion Equation. Mathematical Problems in Engineering, 2013, 2013, 1-11.	1.1	8
11	A ROBUST HIGH-ORDER COMPACT METHOD FOR THE THREE DIMENSIONAL NONLINEAR BIHARMONIC EQUATIONS. International Journal of Computational Methods, 2014, 11, 1350065.	1.3	3
12	A Fast and Efficient Numerical Algorithm for the Nonlocal Conservative Swift–Hohenberg Equation. Mathematical Problems in Engineering, 2020, 2020, 1-9.	1.1	1