

Pengde Wang

List of Publications by Year in descending order

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15
papers

608
citations

1039880

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996849

15
g-index

15
all docs

15
docs citations

15
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	An energy conservative difference scheme for the nonlinear fractional Schrödinger equations. <i>Journal of Computational Physics</i> , 2015, 293, 238-251.	1.9	179
2	Galerkin finite element method for nonlinear fractional Schrödinger equations. <i>Numerical Algorithms</i> , 2017, 74, 499-525.	1.1	90
3	Point-wise error estimate of a conservative difference scheme for the fractional Schrödinger equation. <i>Journal of Computational and Applied Mathematics</i> , 2016, 306, 231-247.	1.1	68
4	An implicit midpoint difference scheme for the fractional Ginzburg-Landau equation. <i>Journal of Computational Physics</i> , 2016, 312, 31-49.	1.9	62
5	A conservative linearized difference scheme for the nonlinear fractional Schrödinger equation. <i>Numerical Algorithms</i> , 2015, 69, 625-641.	1.1	54
6	Structure-preserving numerical methods for the fractional Schrödinger equation. <i>Applied Numerical Mathematics</i> , 2018, 129, 137-158.	1.2	46
7	Split-step alternating direction implicit difference scheme for the fractional Schrödinger equation in two dimensions. <i>Computers and Mathematics With Applications</i> , 2016, 71, 1114-1128.	1.4	35
8	An efficient fourth-order in space difference scheme for the nonlinear fractional Ginzburg-Landau equation. <i>BIT Numerical Mathematics</i> , 2018, 58, 783-805.	1.0	34
9	Fast exponential time differencing/spectral-Galerkin method for the nonlinear fractional Ginzburg-Landau equation with fractional Laplacian in unbounded domain. <i>Applied Mathematics Letters</i> , 2021, 112, 106710.	1.5	11
10	Operator-compensation methods with mass and energy conservation for solving the Gross-Pitaevskii equation. <i>Applied Numerical Mathematics</i> , 2020, 151, 337-353.	1.2	10
11	Error estimates of structure-preserving Fourier pseudospectral methods for the fractional Schrödinger equation. <i>Numerical Methods for Partial Differential Equations</i> , 2020, 36, 369-393.	2.0	6
12	A two-thresholds policy for a Filippov model in combating influenza. <i>Journal of Mathematical Biology</i> , 2020, 81, 435-461.	0.8	5
13	Simple high-order boundary conditions for computing rogue waves in the nonlinear Schrödinger equation. <i>Computer Physics Communications</i> , 2020, 251, 107109.	3.0	4
14	Error estimates of piecewise Hermite collocation method for highly oscillatory Volterra integral equation with Bessel kernel. <i>Mathematics and Computers in Simulation</i> , 2022, 196, 137-150.	2.4	3
15	Numerical computation for rogue waves in the coupled nonlinear Schrödinger equations with the coherent coupling effect. <i>International Journal of Computer Mathematics</i> , 2022, 99, 2433-2448.	1.0	1