

Meng Li

List of Publications by Year in descending order

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papers

782
citations

567281

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all docs

31
docs citations

31
times ranked

265
citing authors

#	ARTICLE	IF	CITATIONS
1	A fast linearized conservative finite element method for the strongly coupled nonlinear fractional Schrödinger equations. <i>Journal of Computational Physics</i> , 2018, 358, 256-282.	3.8	155
2	Galerkin finite element method for nonlinear fractional Schrödinger equations. <i>Numerical Algorithms</i> , 2017, 74, 499-525.	1.9	90
3	Galerkin finite element method for the nonlinear fractional Ginzburg-Landau equation. <i>Applied Numerical Mathematics</i> , 2017, 118, 131-149.	2.1	50
4	A fast energy conserving finite element method for the nonlinear fractional Schrödinger equation with wave operator. <i>Applied Mathematics and Computation</i> , 2018, 338, 758-773.	2.2	46
5	Nonconforming Virtual Element Method for the Time Fractional Reaction-Subdiffusion Equation with Non-smooth Data. <i>Journal of Scientific Computing</i> , 2019, 81, 1823-1859.	2.3	42
6	An efficient difference scheme for the coupled nonlinear fractional Ginzburg-Landau equations with the fractional Laplacian. <i>Numerical Methods for Partial Differential Equations</i> , 2019, 35, 394-421.	3.6	35
7	Unconditional superconvergence analysis of the conservative linearized Galerkin FEMs for nonlinear Klein-Gordon-Schrödinger equation. <i>Applied Numerical Mathematics</i> , 2019, 142, 47-63.	2.1	32
8	Unconditional superconvergence analysis of a linearized Crank-Nicolson Galerkin FEM for generalized Ginzburg-Landau equation. <i>Computers and Mathematics With Applications</i> , 2020, 79, 2411-2425.	2.7	30
9	Conforming and nonconforming conservative virtual element methods for nonlinear Schrödinger equation: A unified framework. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 380, 113793.	6.6	25
10	A relaxation-type Galerkin FEM for nonlinear fractional Schrödinger equations. <i>Numerical Algorithms</i> , 2020, 83, 99-124.	1.9	24
11	Conforming and nonconforming VEMs for the fourth-order reaction-subdiffusion equation: a unified framework. <i>IMA Journal of Numerical Analysis</i> , 2022, 42, 2238-2300.	2.9	24
12	Fast conservative numerical algorithm for the coupled fractional Klein-Gordon-Schrödinger equation. <i>Numerical Algorithms</i> , 2020, 84, 1081-1119.	1.9	22
13	Galerkin finite element method for higher dimensional multi-term fractional diffusion equation on non-uniform meshes. <i>Applicable Analysis</i> , 2017, 96, 1269-1284.	1.3	20
14	Mixed finite-element method for multi-term time-fractional diffusion and diffusion-wave equations. <i>Computational and Applied Mathematics</i> , 2018, 37, 2309-2334.	1.3	20
15	ADI Galerkin FEMs for the 2D nonlinear time-space fractional diffusion-wave equation. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2017, 08, 1750025.	1.4	16
16	Unconditional error analysis of Galerkin FEMs for nonlinear fractional Schrödinger equation. <i>Applicable Analysis</i> , 2018, 97, 295-315.	1.3	16
17	A linearized Crank-Nicolson Galerkin FEMs for the nonlinear fractional Ginzburg-Landau equation. <i>Applicable Analysis</i> , 2019, 98, 2648-2667.	1.3	16
18	Convergence and superconvergence analysis of finite element methods for the time fractional diffusion equation. <i>Applied Numerical Mathematics</i> , 2020, 151, 141-160.	2.1	15

#	ARTICLE	IF	CITATIONS
19	A dissipation-preserving finite element method for nonlinear fractional wave equations on irregular convex domains. <i>Mathematics and Computers in Simulation</i> , 2020, 177, 404-419.	4.4	14
20	A mass-energy preserving Galerkin FEM for the coupled nonlinear fractional Schrödinger equations. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	13
21	Dissipation-preserving Galerkin-Legendre spectral methods for two-dimensional fractional nonlinear wave equations. <i>Computers and Mathematics With Applications</i> , 2020, 80, 617-635.	2.7	12
22	An efficient second-order energy stable BDF scheme for the space fractional Cahn-Hilliard equation. <i>BIT Numerical Mathematics</i> , 2021, 61, 1061-1092.	2.0	8
23	The divergence-free nonconforming virtual element method for the Navier-Stokes problem. <i>Numerical Methods for Partial Differential Equations</i> , 2023, 39, 1977-1995.	3.6	8
24	Galerkin finite element method for damped nonlinear Schrödinger equation. <i>Applied Numerical Mathematics</i> , 2022, 178, 216-247.	2.1	8
25	Preconditioners for all-at-once system from the fractional mobile/immobile advection-diffusion model. <i>Journal of Applied Mathematics and Computing</i> , 2021, 65, 669-691.	2.5	7
26	Unconditional Energy Dissipation and Error Estimates of the SAV Fourier Spectral Method for Nonlinear Fractional Generalized Wave Equation. <i>Journal of Scientific Computing</i> , 2021, 88, 1.	2.3	7
27	Superconvergence analysis of a MFEM for BBM equation with a stable scheme. <i>Computers and Mathematics With Applications</i> , 2021, 93, 168-177.	2.7	7
28	Fast L2-1 Galerkin FEMs for generalized nonlinear coupled Schrödinger equations with Caputo derivatives. <i>Applied Mathematics and Computation</i> , 2022, 416, 126734.	2.2	6
29	Superconvergence analysis of BDF-Galerkin FEM for nonlinear Schrödinger equation. <i>Numerical Algorithms</i> , 2022, 89, 195-222.	1.9	5
30	Superconvergence analysis for nonlinear Schrödinger equation with two-grid finite element method. <i>Applied Mathematics Letters</i> , 2021, 122, 107553.	2.7	5
31	A high-order split-step finite difference method for the system of the space fractional CNLS. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	4