Meng Li

List of Publications by Year
in descending order

31 papers	782 citations	567281 15 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	265 citing authors

#	Article	IF	Citations
1	The divergence–free nonconforming virtual element method for the <scp>Navier–Stokes</scp> problem. Numerical Methods for Partial Differential Equations, 2023, 39, 1977-1995.	3.6	8
2	Superconvergence analysis of BDF-Galerkin FEM for nonlinear Schrödinger equation. Numerical Algorithms, 2022, 89, 195-222.	1.9	5
3	Conforming and nonconforming VEMs for the fourth-order reaction–subdiffusion equation: a unified framework. IMA Journal of Numerical Analysis, 2022, 42, 2238-2300.	2.9	24
4	Fast L2-1<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mrow /><mml:mi>Ïƒ</mml:mi></mml:msub></mml:math> Galerkin FEMs for generalized nonlinear coupled Schrödinger equations with Caputo derivatives. Applied Mathematics and Computation, 2022, 416, 126734.	2.2	6
5	Galerkin finite element method for damped nonlinear Schrödinger equation. Applied Numerical Mathematics, 2022, 178, 216-247.	2.1	8
6	Preconditioners for all-at-once system from the fractional mobile/immobile advection–diffusion model. Journal of Applied Mathematics and Computing, 2021, 65, 669-691.	2.5	7
7	An efficient second-order energy stable BDF scheme for the space fractional Cahn–Hilliard equation. BIT Numerical Mathematics, 2021, 61, 1061-1092.	2.0	8
8	Unconditional Energy Dissipation and Error Estimates of the SAV Fourier Spectral Method for Nonlinear Fractional Generalized Wave Equation. Journal of Scientific Computing, 2021, 88, 1.	2.3	7
9	Conforming and nonconforming conservative virtual element methods for nonlinear Schrödinger equation: A unified framework. Computer Methods in Applied Mechanics and Engineering, 2021, 380, 113793.	6.6	25
10	Superconvergence analysis of a MFEM for BBM equation with a stable scheme. Computers and Mathematics With Applications, 2021, 93, 168-177.	2.7	7
11	Superconvergence analysis for nonlinear Schrödinger equation with two-grid finite element method. Applied Mathematics Letters, 2021, 122, 107553.	2.7	5
12	A relaxation-type Galerkin FEM for nonlinear fractional Schrödinger equations. Numerical Algorithms, 2020, 83, 99-124.	1.9	24
13	Fast conservative numerical algorithm for the coupled fractional Klein-Gordon-Schrödinger equation. Numerical Algorithms, 2020, 84, 1081-1119.	1.9	22
14	Convergence and superconvergence analysis of finite element methods for the time fractional diffusion equation. Applied Numerical Mathematics, 2020, 151, 141-160.	2.1	15
15	Unconditional superconvergence analysis of a linearized Crank–Nicolson Galerkin FEM for generalized Ginzburg–Landau equation. Computers and Mathematics With Applications, 2020, 79, 2411-2425.	2.7	30
16	A dissipation-preserving finite element method for nonlinear fractional wave equations on irregular convex domains. Mathematics and Computers in Simulation, 2020, 177, 404-419.	4.4	14
17	Dissipation-preserving Galerkin–Legendre spectral methods for two-dimensional fractional nonlinear wave equations. Computers and Mathematics With Applications, 2020, 80, 617-635.	2.7	12
18	Nonconforming Virtual Element Method for the Time Fractional Reaction–Subdiffusion Equation with Non-smooth Data. Journal of Scientific Computing, 2019, 81, 1823-1859.	2.3	42

#	Article	IF	Citations
19	A high-order split-step finite difference method for the system of the space fractional CNLS. European Physical Journal Plus, 2019, 134, 1.	2.6	4
20	Unconditional superconvergence analysis of the conservative linearized Galerkin FEMs for nonlinear Klein-Gordon-Schrödinger equation. Applied Numerical Mathematics, 2019, 142, 47-63.	2.1	32
21	An efficient difference scheme for the coupled nonlinear fractional Ginzburg–Landau equations with the fractional Laplacian. Numerical Methods for Partial Differential Equations, 2019, 35, 394-421.	3.6	35
22	A linearized Crank–Nicolson Galerkin FEMs for the nonlinear fractional Ginzburg–Landau equation. Applicable Analysis, 2019, 98, 2648-2667.	1.3	16
23	A mass-energy preserving Galerkin FEM for the coupled nonlinear fractional Schrödinger equations. European Physical Journal Plus, 2018, 133, 1.	2.6	13
24	A fast linearized conservative finite element method for the strongly coupled nonlinear fractional Schrödinger equations. Journal of Computational Physics, 2018, 358, 256-282.	3.8	155
25	Mixed finite-element method for multi-term time-fractional diffusion and diffusion-wave equations. Computational and Applied Mathematics, 2018, 37, 2309-2334.	1.3	20
26	Unconditional error analysis of Galerkin FEMs for nonlinear fractional Schrödinger equation. Applicable Analysis, 2018, 97, 295-315.	1.3	16
27	A fast energy conserving finite element method for the nonlinear fractional Schrödinger equation with wave operator. Applied Mathematics and Computation, 2018, 338, 758-773.	2.2	46
28	Galerkin finite element method for nonlinear fractional Schrödinger equations. Numerical Algorithms, 2017, 74, 499-525.	1.9	90
29	Galerkin finite element method for higher dimensional multi-term fractional diffusion equation on non-uniform meshes. Applicable Analysis, 2017, 96, 1269-1284.	1.3	20
30	ADI Galerkin FEMs for the 2D nonlinear time-space fractional diffusion-wave equation. International Journal of Modeling, Simulation, and Scientific Computing, 2017, 08, 1750025.	1.4	16
31	Galerkin finite element method for the nonlinear fractional Ginzburg–Landau equation. Applied Numerical Mathematics, 2017, 118, 131-149.	2.1	50