Jun-gang Wang

List of Publications by Year
in descending order

29 papers	690 citations	759233 12 h-index
29 all docs	29 docs citations	29 times ranked

580821 25 g-index
281 citing authors

#	Article	IF	Citations
1	A modified quasi-boundary value method for an inverse source problem of the time-fractional diffusion equation. Applied Numerical Mathematics, 2014, 78, 95-111.	2.1	139
2	Two regularization methods to identify a space-dependent source for the time-fractional diffusion equation. Applied Numerical Mathematics, 2013, 68, 39-57.	2.1	87
3	Tikhonov regularization method for a backward problem for the time-fractional diffusion equation. Applied Mathematical Modelling, 2013, 37, 8518-8532.	4.2	73
4	A modified quasi-boundary value method for the backward time-fractional diffusion problem. ESAIM: Mathematical Modelling and Numerical Analysis, 2014, 48, 603-621.	1.9	65
5	Finite element method for nonlinear Riesz space fractional diffusion equations on irregular domains. Journal of Computational Physics, 2017, 330, 863-883.	3.8	65
6	Quasi-reversibility method to identify a space-dependent source for the time-fractional diffusion equation. Applied Mathematical Modelling, 2015, 39, 6139-6149.	4.2	35
7	An iterative method for backward time-fractional diffusion problem. Numerical Methods for Partial Differential Equations, 2014, 30, 2029-2041.	3.6	33
8	A numerical approach for the Riesz space-fractional Fisher' equation in two-dimensions. International Journal of Computer Mathematics, 2017, 94, 296-315.	1.8	29
9	A posteriori regularization parameter choice rule for the quasi-boundary value method for the backward time-fractional diffusion problem. Applied Mathematics Letters, 2013, 26, 741-747.	2.7	28
10	Optimal error bound and simplified Tikhonov regularization method for a backward problem for the time-fractional diffusion equation. Journal of Computational and Applied Mathematics, 2015, 279, 277-292.	2.0	28
11	Determination of Robin coefficient in a fractional diffusion problem. Applied Mathematical Modelling, 2016, 40, 7948-7961.	4.2	24
12	On HSS-like iteration method for the space fractional coupled nonlinear Schrödinger equations. Applied Mathematics and Computation, 2015, 271, 482-488.	2.2	17
13	An iterative method for an inverse source problem of time-fractional diffusion equation. Inverse Problems in Science and Engineering, 2018, 26, 1509-1521.	1.2	14
14	On Preconditioners Based on HSS for the Space Fractional CNLS Equations. East Asian Journal on Applied Mathematics, 2017, 7, 70-81.	0.9	8
15	An exponential B-spline collocation method for the fractional sub-diffusion equation. Advances in Difference Equations, 2017, 2017, .	3.5	8
16	Uniqueness and numerical scheme for the Robin coefficient identification of the time-fractional diffusion equation. Computers and Mathematics With Applications, 2018, 75, 4107-4114.	2.7	7
17	Finite element methods for fractional PDEs in three dimensions. Applied Mathematics Letters, 2020, 100, 106041.	2.7	7
18	On partially inexact HSS iteration methods for the complex symmetric linear systems in space fractional CNLS equations. Journal of Computational and Applied Mathematics, 2017, 317, 128-136.	2.0	4

#	Article	IF	Citations
19	A Single-Step Correction Scheme of Crank–Nicolson Convolution Quadrature for the Subdiffusion Equation. Journal of Scientific Computing, 2021, 87, 1.	2.3	4
20	On ADI-like iteration method for fractional diffusion equations. Linear Algebra and Its Applications, 2016, 493, 544-555.	0.9	3
21	Convergence of Chebyshev type regularization method under Morozov discrepancy principle. Applied Mathematics Letters, 2017, 74, 174-180.	2.7	3
22	On structure preserving and circulant preconditioners for the space fractional coupled nonlinear Schrödinger equations. Numerical Linear Algebra With Applications, 2018, 25, e2159.	1.6	3
23	Numerical algorithms for multidimensional time-fractional wave equation of distributed-order with a nonlinear source term. Advances in Difference Equations, 2018, 2018, .	3.5	3
24	Effective numerical treatment of sub-diffusion equation with non-smooth solution. International Journal of Computer Mathematics, 2018, 95, 1394-1407.	1.8	2
25	A class of RBFs-based DQ methods for the space-fractional diffusion equations on 3D irregular domains. Computational Mechanics, 2020, 66, 221-238.	4.0	1
26	On preconditioned iterative methods for unsteady incompressible Navier–Stokes equations. Applied Mathematics and Computation, 2014, 234, 477-485.	2.2	0
27	Numerical algorithm for three-dimensional space fractional advection diffusion equation. IOP Conference Series: Earth and Environmental Science, 2017, 69, 012127.	0.3	0
28	A Galerkin FEM for Riesz space-fractional CNLS. Advances in Difference Equations, 2019, 2019, .	3.5	0
29	Using Gauss-Jacobi quadrature rule to improve the accuracy of FEM for spatial fractional problems. Numerical Algorithms, 0, , 1.	1.9	0