

# Zhibo Wang

## List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Numerical simulation for time-fractional diffusion-wave equations with time delay. <i>Journal of Applied Mathematics and Computing</i> , 2023, 69, 137-157.	2.5	8
2	Time two-grid technique combined with temporal second order difference method for two-dimensional semilinear fractional sub-diffusion equations. <i>Applied Mathematics Letters</i> , 2022, 129, 107919.	2.7	26
3	Mathematical analysis and numerical methods for Caputo-Hadamard fractional diffusion-wave equations. <i>Applied Numerical Mathematics</i> , 2022, 177, 34-57.	2.1	23
4	An ADI finite difference method for the two-dimensional Volterra integro-differential equation with weakly singular kernel. <i>International Journal of Computer Mathematics</i> , 2022, 99, 2542-2554.	1.8	2
5	A second-order scheme with nonuniform time grids for Caputo-Hadamard fractional sub-diffusion equations. <i>Journal of Computational and Applied Mathematics</i> , 2022, 414, 114448.	2.0	16
6	Second order difference schemes for time-fractional KdV-Burgers equation with initial singularity. <i>Applied Mathematics Letters</i> , 2021, 112, 106829.	2.7	33
7	Sharp error estimate of a compact L1-ADI scheme for the two-dimensional time-fractional integro-differential equation with singular kernels. <i>Applied Numerical Mathematics</i> , 2021, 159, 190-203.	2.1	40
8	A novel high order compact ADI scheme for two dimensional fractional integro-differential equations. <i>Applied Numerical Mathematics</i> , 2021, 167, 257-272.	2.1	3
9	Fast high order difference schemes for the time fractional telegraph equation. <i>Numerical Methods for Partial Differential Equations</i> , 2020, 36, 154-172.	3.6	24
10	A fast linearized finite difference method for the nonlinear multi-term time-fractional wave equation. <i>Applied Numerical Mathematics</i> , 2020, 151, 448-471.	2.1	41
11	Quenching of combustion explosion model with balanced space-fractional derivative. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 4472.	2.3	3
12	An alternating direction implicit orthogonal spline collocation method for the two dimensional multi-term time fractional integro-differential equation. <i>Applied Numerical Mathematics</i> , 2020, 151, 199-212.	2.1	41
13	Reliable exponential stabilisation for fractional-order semilinear parabolic distributed parameter systems: an LMI approach. <i>Cyber-Physical Systems</i> , 2020, 6, 146-164.	2.0	1
14	A HIGH ORDER DIFFERENCE METHOD FOR FRACTIONAL SUB-DIFFUSION EQUATIONS WITH THE SPATIALLY VARIABLE COEFFICIENTS UNDER PERIODIC BOUNDARY CONDITIONS. <i>Journal of Applied Analysis and Computation</i> , 2020, 10, 474-485.	0.5	0
15	An ADI difference scheme based on fractional trapezoidal rule for fractional integro-differential equation with a weakly singular kernel. <i>Applied Mathematics and Computation</i> , 2019, 354, 103-114.	2.2	22
16	A Finite Difference Method for Boundary Value Problems of a Caputo Fractional Differential Equation. <i>East Asian Journal on Applied Mathematics</i> , 2017, 7, 752-766.	0.9	2
17	A compact difference scheme for a two dimensional nonlinear fractional Klein-Gordon equation in polar coordinates. <i>Computers and Mathematics With Applications</i> , 2016, 71, 2524-2540.	2.7	10
18	Finite difference schemes for two-dimensional time-space fractional differential equations. <i>International Journal of Computer Mathematics</i> , 2016, 93, 578-595.	1.8	17

#	ARTICLE	IF	CITATIONS
19	Fully discrete local discontinuous Galerkin methods for some time-fractional fourth-order problems. <i>International Journal of Computer Mathematics</i> , 2016, 93, 1665-1682.	1.8	35
20	A Compact Difference Scheme for Fractional Sub-diffusion Equations with the Spatially Variable Coefficient Under Neumann Boundary Conditions. <i>Journal of Scientific Computing</i> , 2016, 66, 725-739.	2.3	42
21	A compact ADI scheme for the two dimensional time fractional diffusion-wave equation in polar coordinates. <i>Numerical Methods for Partial Differential Equations</i> , 2015, 31, 1692-1712.	3.6	4
22	A high-order compact scheme for the nonlinear fractional $K$ -Gordon equation. <i>Numerical Methods for Partial Differential Equations</i> , 2015, 31, 706-722.	3.6	26
23	A high-order ADI scheme for the two-dimensional time fractional diffusion-wave equation. <i>International Journal of Computer Mathematics</i> , 2015, 92, 970-979.	1.8	27
24	A high-order exponential ADI scheme for two dimensional time fractional convection-diffusion equations. <i>Computers and Mathematics With Applications</i> , 2014, 68, 185-196.	2.7	30
25	Compact Finite Difference Scheme for the Fourth-Order Fractional Subdiffusion System. <i>Advances in Applied Mathematics and Mechanics</i> , 2014, 6, 419-435.	1.2	30
26	High Order Difference Schemes for a Time Fractional Differential Equation with Neumann Boundary Conditions. <i>East Asian Journal on Applied Mathematics</i> , 2014, 4, 222-241.	0.9	20
27	A Gauss-Newton-like method for inverse eigenvalue problems. <i>International Journal of Computer Mathematics</i> , 2013, 90, 1435-1447.	1.8	6
28	Orthogonal spline collocation method for the two-dimensional time fractional mobile-immobile equation. <i>Journal of Applied Mathematics and Computing</i> , 0, , 1.	2.5	3
29	Efficient numerical algorithms of time fractional telegraph-type equations involving Hadamard derivatives. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	0