

# Tao Sun

## List of Publications by Year in descending order

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1684188  
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#	ARTICLE	IF	CITATIONS
1	A Novel Second-Order and Unconditionally Energy Stable Numerical Scheme for Allen-Cahn Equation. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-9.	1.1	0
2	Local error estimate of L1 scheme for linearized time fractional KdV equation with weakly singular solutions. <i>Applied Numerical Mathematics</i> , 2022, 179, 183-190.	2.1	1
3	Stability and convergence analysis for a new phase field crystal model with a nonlocal Lagrange multiplier. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 4972-4984.	2.3	0
4	Error analysis of a fully discrete scheme for time fractional Schrödinger equation with initial singularity. <i>International Journal of Computer Mathematics</i> , 2020, 97, 1636-1647.	1.8	5
5	An efficient Legendre-Galerkin spectral element method for the steady flows in rectangular cavities. <i>International Journal of Computer Mathematics</i> , 2020, 97, 1806-1818.	1.8	1
6	A spectral method for solving nonhomogeneous Neumann boundary value problems on quadrilaterals. <i>Applied Numerical Mathematics</i> , 2020, 157, 1-18.	2.1	3
7	Galerkin-Legendre spectral method for Neumann boundary value problems in three dimensions. <i>International Journal of Computer Mathematics</i> , 2019, 96, 1335-1356.	1.8	2
8	Multi-Domain Decomposition Pseudospectral Method for Nonlinear Fokker-Planck Equations. <i>Communications on Applied Mathematics and Computation</i> , 2019, 1, 231-252.	1.7	5
9	L1 scheme on graded mesh for the linearized time fractional KdV equation with initial singularity. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2019, 10, 1941006.	1.4	10
10	A Petrov-Galerkin spectral method for the linearized time fractional KdV equation. <i>International Journal of Computer Mathematics</i> , 2018, 95, 1292-1307.	1.8	10
11	A new Galerkin spectral element method for fourth-order boundary value problems. <i>International Journal of Computer Mathematics</i> , 2016, 93, 915-928.	1.8	6
12	A Petrov-Galerkin spectral method for fourth-order problems. <i>Mathematical Methods in the Applied Sciences</i> , 2014, 37, 2257-2270.	2.3	4