

Tian-jun Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A fully discrete pseudospectral method for the nonlinear Fokker-Planck equations on the whole line. Applied Numerical Mathematics, 2022, 174, 17-33.	2.1	4
2	A New Multi-Domain Spectral Method for Korteweg-de Vries Equation on The Whole Line. Journal of Scientific Computing, 2022, 92, .	2.3	0
3	A spectral method for solving nonhomogeneous Neumann boundary value problems on quadrilaterals. Applied Numerical Mathematics, 2020, 157, 1-18.	2.1	3
4	Galerkinâ€“Legendre spectral method for Neumann boundary value problems in three dimensions. International Journal of Computer Mathematics, 2019, 96, 1335-1356.	1.8	2
5	Multi-Domain Decomposition Pseudospectral Method for Nonlinear Fokkerâ€“Planck Equations. Communications on Applied Mathematics and Computation, 2019, 1, 231-252.	1.7	5
6	Pseudospectral method for non-isotropic heat transfer using mixed Hermite-Legendre interpolation. Applied Mathematics and Computation, 2019, 343, 328-341.	2.2	0
7	Pseudospectral method for Fisher equation in a disk. Applied Mathematics and Computation, 2019, 343, 30-48.	2.2	0
8	Mixed generalized Hermiteâ€“Fourier spectral method for Fokkerâ€“Planck equation of periodic field. Applied Numerical Mathematics, 2018, 133, 25-40.	2.1	7
9	MIXED JACOBI-FOURIER SPECTRAL METHOD FOR FISHER EQUATION. Mathematical Modelling and Analysis, 2018, 23, 240-261.	1.5	3
10	A fully discrete pseudospectral method for Fisher's equation on the whole line. Applied Numerical Mathematics, 2017, 120, 243-256.	2.1	6
11	Composite generalized Laguerre spectral method for nonlinear Fokkerâ€“Planck equations on the whole line. Mathematical Methods in the Applied Sciences, 2017, 40, 1462-1474.	2.3	7
12	Legendre spectral method for solving mixed boundary value problems on rectangle. Mathematical Methods in the Applied Sciences, 2016, 39, 3824-3835.	2.3	3
13	A Fully Discrete Spectral Method for Fisherâ€™s Equation on the Whole Line. East Asian Journal on Applied Mathematics, 2016, 6, 400-415.	0.9	6
14	Mixed Spectral Method for Heat Transfer Using Generalised Hermite Functions and Legendre Polynomials. East Asian Journal on Applied Mathematics, 2016, 6, 448-465.	0.9	3
15	MIXED PSEUDOSPECTRAL METHOD FOR HEAT TRANSFER. Mathematical Modelling and Analysis, 2016, 21, 199-219.	1.5	2
16	A Spectral Method for Fourth-Order Mixed Inhomogeneous Boundary Value Problem in Three Dimensions. Journal of Scientific Computing, 2016, 67, 1247-1271.	2.3	3
17	Cubic spline solution for a class of boundary value problems using spectral collocation method. , 2015, , .		1
18	Mixed spectral method for heat transfer with inhomogeneous Neumann boundary condition in an infinite strip. Applied Numerical Mathematics, 2015, 92, 82-97.	2.1	9

#	ARTICLE	IF	CITATIONS
19	Generalized Laguerre spectral method for Fisher's equation on a semi-infinite interval. International Journal of Computer Mathematics, 2015, 92, 1039-1052.	1.8	9
20	Spectral collocation methods for a class of nonlinear singular boundary value problems. , 2013, , .		0
21	Spectral Method for Mixed Inhomogeneous Boundary Value Problems in Three Dimensions. Journal of Computational Mathematics, 2012, 30, 579-600.	0.4	6
22	Mixed Generalized Laguerre-Legendre Spectral Method for Heat Transfer in an Infinite Strip. , 2012, , .		1
23	Composite Laguerre-Legendre spectral method for exterior problems. Advances in Computational Mathematics, 2010, 32, 393-429.	1.6	28
24	Composite Laguerre-Legendre Spectral Method for Fourth-Order Exterior Problems. Journal of Scientific Computing, 2010, 44, 255-285.	2.3	16
25	Error analysis of Legendre spectral method with essential imposition of Neumann boundary condition. Applied Numerical Mathematics, 2009, 59, 2444-2451.	2.1	11
26	Composite generalized Laguerre-Legendre spectral method with domain decomposition and its application to Fokker-Planck equation in an infinite channel. Mathematics of Computation, 2009, 78, 129-129.	2.1	37
27	Composite generalized Laguerre-Legendre pseudospectral method for Fokker-Planck equation in an infinite channel. Applied Numerical Mathematics, 2008, 58, 1448-1466.	2.1	23
28	Mixed legendre-hermite spectral method for heat transfer in an infinite plate. Computers and Mathematics With Applications, 2006, 51, 751-768.	2.7	10