

# Tian-jun Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6398974/publications.pdf>

Version: 2024-02-01

28  
papers

205  
citations

1163117

8  
h-index

1058476

14  
g-index

28  
all docs

28  
docs citations

28  
times ranked

42  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composite generalized Laguerre-Legendre spectral method with domain decomposition and its application to Fokker-Planck equation in an infinite channel. <i>Mathematics of Computation</i> , 2009, 78, 129-129.	2.1	37
2	Composite Laguerre-Legendre spectral method for exterior problems. <i>Advances in Computational Mathematics</i> , 2010, 32, 393-429.	1.6	28
3	Composite generalized Laguerre-Legendre pseudospectral method for Fokker-Planck equation in an infinite channel. <i>Applied Numerical Mathematics</i> , 2008, 58, 1448-1466.	2.1	23
4	Composite Laguerre-Legendre Spectral Method for Fourth-Order Exterior Problems. <i>Journal of Scientific Computing</i> , 2010, 44, 255-285.	2.3	16
5	Error analysis of Legendre spectral method with essential imposition of Neumann boundary condition. <i>Applied Numerical Mathematics</i> , 2009, 59, 2444-2451.	2.1	11
6	Mixed legendre-hermite spectral method for heat transfer in an infinite plate. <i>Computers and Mathematics With Applications</i> , 2006, 51, 751-768.	2.7	10
7	Mixed spectral method for heat transfer with inhomogeneous Neumann boundary condition in an infinite strip. <i>Applied Numerical Mathematics</i> , 2015, 92, 82-97.	2.1	9
8	Generalized Laguerre spectral method for Fisher's equation on a semi-infinite interval. <i>International Journal of Computer Mathematics</i> , 2015, 92, 1039-1052.	1.8	9
9	Composite generalized Laguerre spectral method for nonlinear Fokker-Planck equations on the whole line. <i>Mathematical Methods in the Applied Sciences</i> , 2017, 40, 1462-1474.	2.3	7
10	Mixed generalized Hermite-Fourier spectral method for Fokker-Planck equation of periodic field. <i>Applied Numerical Mathematics</i> , 2018, 133, 25-40.	2.1	7
11	Spectral Method for Mixed Inhomogeneous Boundary Value Problems in Three Dimensions. <i>Journal of Computational Mathematics</i> , 2012, 30, 579-600.	0.4	6
12	A Fully Discrete Spectral Method for Fisher's Equation on the Whole Line. <i>East Asian Journal on Applied Mathematics</i> , 2016, 6, 400-415.	0.9	6
13	A fully discrete pseudospectral method for Fisher's equation on the whole line. <i>Applied Numerical Mathematics</i> , 2017, 120, 243-256.	2.1	6
14	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
15	A fully discrete pseudospectral method for the nonlinear Fokker-Planck equations on the whole line. <i>Applied Numerical Mathematics</i> , 2022, 174, 17-33.	2.1	4
16	Legendre spectral method for solving mixed boundary value problems on rectangle. <i>Mathematical Methods in the Applied Sciences</i> , 2016, 39, 3824-3835.	2.3	3
17	Mixed Spectral Method for Heat Transfer Using Generalised Hermite Functions and Legendre Polynomials. <i>East Asian Journal on Applied Mathematics</i> , 2016, 6, 448-465.	0.9	3
18	A Spectral Method for Fourth-Order Mixed Inhomogeneous Boundary Value Problem in Three Dimensions. <i>Journal of Scientific Computing</i> , 2016, 67, 1247-1271.	2.3	3

#	ARTICLE	IF	CITATIONS
19	A spectral method for solving nonhomogeneous Neumann boundary value problems on quadrilaterals. Applied Numerical Mathematics, 2020, 157, 1-18.	2.1	3
20	MIXED JACOBI-FOURIER SPECTRAL METHOD FOR FISHER EQUATION. Mathematical Modelling and Analysis, 2018, 23, 240-261.	1.5	3
21	MIXED PSEUDOSPECTRAL METHOD FOR HEAT TRANSFER. Mathematical Modelling and Analysis, 2016, 21, 199-219.	1.5	2
22	Galerkin-“Legendre spectral method for Neumann boundary value problems in three dimensions. International Journal of Computer Mathematics, 2019, 96, 1335-1356.	1.8	2
23	Mixed Generalized Laguerre-Legendre Spectral Method for Heat Transfer in an Infinite Strip. , 2012, , .		1
24	Cubic spline solution for a class of boundary value problems using spectral collocation method. , 2015, , .		1
25	Spectral collocation methods for a class of nonlinear singular boundary value problems. , 2013, , .		0
26	Pseudospectral method for non-isotropic heat transfer using mixed Hermite-Legendre interpolation. Applied Mathematics and Computation, 2019, 343, 328-341.	2.2	0
27	Pseudospectral method for Fisher equation in a disk. Applied Mathematics and Computation, 2019, 343, 30-48.	2.2	0
28	A New Multi-Domain Spectral Method for Korteweg-de Vries Equation on The Whole Line. Journal of Scientific Computing, 2022, 92, .	2.3	0