

Jiang-Ren Chang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Solving nonlinear third-order boundary value problems based-on boundary shape functions. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, .	1.0	1
2	Solving a nonlinear heat equation with nonlocal boundary conditions by a method of nonlocal boundary shape functions. Numerical Heat Transfer, Part B: Fundamentals, 2021, 80, 1-13.	0.9	2
3	A homogenization method to solve inverse Cauchyâ€“Stefan problems for recovering non-smooth moving boundary, heat flux and initial value. Inverse Problems in Science and Engineering, 2021, 29, 2772-2803.	1.2	2
4	Identifying heat conductivity and source functions for a nonlinear convective-diffusive equation by energetic boundary functional methods. Numerical Heat Transfer, Part B: Fundamentals, 2020, 78, 248-264.	0.9	2
5	Boundary shape functions methods for solving the nonlinear singularly perturbed problems with Robin boundary conditions. International Journal of Nonlinear Sciences and Numerical Simulation, 2020, 21, 797-806.	1.0	14
6	Numerical study of mixed convection heat transfer for vertical annular finned tube heat exchanger with experimental data and different tube diameters. International Journal of Heat and Mass Transfer, 2018, 118, 931-947.	4.8	15
7	A regularized Fourier sine series solution of a 3D backward heat conduction problem with extremal long time span. Numerical Heat Transfer, Part B: Fundamentals, 2018, 74, 807-817.	0.9	3
8	A high-order Lie groups scheme for solving the recovery of external force in nonlinear system. Inverse Problems in Science and Engineering, 2018, 26, 1749-1783.	1.2	5
9	Numerical and experimental studies of natural convection in a heated cavity with a horizontal fin on a hot sidewall. International Journal of Heat and Mass Transfer, 2018, 124, 1217-1229.	4.8	37
10	Numerical study on natural convection heat transfer of annular finned tube heat exchanger in chimney with experimental data. International Journal of Heat and Mass Transfer, 2018, 127, 483-496.	4.8	17
11	A simple spatial integration scheme for solving Cauchy problems of non-linear evolution equations. Inverse Problems in Science and Engineering, 2017, 25, 1653-1675.	1.2	0
12	Effect of domain boundary set on natural convection heat transfer characteristics for vertical annular finned tube heat exchanger. International Journal of Heat and Mass Transfer, 2017, 109, 668-682.	4.8	17
13	Numerical and experimental study of natural convection heat transfer characteristics for vertical annular finned tube heat exchanger. International Journal of Heat and Mass Transfer, 2017, 109, 378-392.	4.8	34
14	Numerical and experimental study of mixed convection heat transfer and fluid flow characteristics of plate-fin heat sinks. International Journal of Heat and Mass Transfer, 2017, 111, 1050-1062.	4.8	27
15	Numerical and experimental study of natural convection heat transfer characteristics for vertical plate fin and tube heat exchangers with various tube diameters. International Journal of Heat and Mass Transfer, 2016, 100, 320-331.	4.8	53
16	The recovery of external force in nonlinear system by using a weak-form integral method. Nonlinear Dynamics, 2016, 86, 987-998.	5.2	2
17	The modified polynomial expansion method for identifying the time dependent heat source in two-dimensional heat conduction problems. International Journal of Heat and Mass Transfer, 2016, 92, 658-664.	4.8	13
18	Analytical solution of spray cooling characteristics on a hot surface using the Laplace transform. Inverse Problems in Science and Engineering, 2016, 24, 957-973.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Recovering A Heat Source and Initial Value by a Lie-Group Differential Algebraic Equations Method. Numerical Heat Transfer, Part B: Fundamentals, 2015, 67, 231-254.	0.9	18
20	Solving Helmholtz equation with high wave number and ill-posed inverse problem using the multiple scales Trefftz collocation method. Engineering Analysis With Boundary Elements, 2015, 61, 145-152.	3.7	3
21	The Modified Polynomial Expansion Method for Solving the Inverse Heat Source Problems. Numerical Heat Transfer, Part B: Fundamentals, 2013, 63, 357-370.	0.9	21
22	The backward group preserving scheme for 1D backward in time advection-dispersion equation. Numerical Methods for Partial Differential Equations, 2010, 26, 61-80.	3.6	14
23	The Lie-group shooting method for multiple-solutions of Falkner-Skan equation under suction-injection conditions. International Journal of Non-Linear Mechanics, 2008, 43, 844-851.	2.6	24
24	A new shooting method for quasi-boundary regularization of backward heat conduction problems. International Journal of Heat and Mass Transfer, 2007, 50, 2325-2332.	4.8	45
25	The Lie-group shooting method for boundary layer equations in fluid mechanics. Journal of Hydrodynamics, 2006, 18, 101-106.	3.2	0
26	The Lie-group shooting method for boundary layer equations in fluid mechanics. Journal of Hydrodynamics, 2006, 18, 103-108.	3.2	12
27	New Computational Methods for Solving Problems of the Astronomical Vessel Position. Journal of Navigation, 2005, 58, 315-335.	1.7	10
28	A Novel Approach to Great Circle Sailings: The Great Circle Equation. Journal of Navigation, 2004, 57, 311-320.	1.7	21
29	Application of symmetric indirect Trefftz method to free vibration problems in 2D. International Journal for Numerical Methods in Engineering, 2003, 56, 1175-1192.	2.8	11