

An Chen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

787
citations

1163117
8
h-index

713466
21
g-index

22
all docs

22
docs citations

22
times ranked

647
citing authors

#	ARTICLE	IF	CITATIONS
1	A deep learning CNN architecture applied in smart near-infrared analysis of water pollution for agricultural irrigation resources. <i>Agricultural Water Management</i> , 2020, 240, 106303.	5.6	213
2	Numerical approaches to fractional calculus and fractional ordinary differential equation. <i>Journal of Computational Physics</i> , 2011, 230, 3352-3368.	3.8	193
3	Finite difference methods with non-uniform meshes for nonlinear fractional differential equations. <i>Journal of Computational Physics</i> , 2016, 316, 614-631.	3.8	127
4	Numerical methods for fractional partial differential equations. <i>International Journal of Computer Mathematics</i> , 2018, 95, 1048-1099.	1.8	80
5	Numerical Solution of Fractional Diffusion-Wave Equation. <i>Numerical Functional Analysis and Optimization</i> , 2016, 37, 19-39.	1.4	43
6	Grid search parametric optimization for FT-NIR quantitative analysis of solid soluble content in strawberry samples. <i>Vibrational Spectroscopy</i> , 2018, 94, 7-15.	2.2	41
7	A novel compact ADI scheme for the time-fractional subdiffusion equation in two space dimensions. <i>International Journal of Computer Mathematics</i> , 2016, 93, 889-914.	1.8	27
8	Asymptotically compatible schemes for space-time nonlocal diffusion equations. <i>Chaos, Solitons and Fractals</i> , 2017, 102, 361-371.	5.1	14
9	Quantitative analysis of organic acids in pomelo fruit using FT-NIR spectroscopy coupled with network kernel PLS regression. <i>Infrared Physics and Technology</i> , 2021, 112, 103582.	2.9	7
10	An alternating direction Galerkin method for a time-fractional partial differential equation with damping in two space dimensions. <i>Advances in Difference Equations</i> , 2017, 2017, .	3.5	6
11	Parametric-scaling optimization of pretreatment methods for the determination of trace/quasi-trace elements based on near infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117959.	3.9	6
12	Numerical schemes for the time-fractional mobile/immobile transport equation based on convolution quadrature. <i>Journal of Applied Mathematics and Computing</i> , 0, , 1.	2.5	5
13	Efficient Galerkin finite element methods for a time-fractional Cattaneo equation. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	5
14	Rapid Assessment of Gasoline Quality by near-Infrared (NIR) Deep Learning Model Combined with Fractional Derivative Pretreatment. <i>Analytical Letters</i> , 2022, 55, 1745-1756.	1.8	5
15	Fast Crank-Nicolson compact difference scheme for the two-dimensional time-fractional mobile/immobile transport equation. <i>AIMS Mathematics</i> , 2021, 6, 6242-6254.	1.6	4
16	Error estimates for a robust finite element method of two-term time-fractional diffusion-wave equation with nonsmooth data. <i>Mathematical Modelling of Natural Phenomena</i> , 2021, 16, 12.	2.4	3
17	Two efficient Galerkin finite element methods for the modified anomalous subdiffusion equation. <i>International Journal of Computer Mathematics</i> , 2020, , 1-18.	1.8	2
18	The Efficient Finite Element Methods for Time-Fractional Oldroyd-B Fluid Model Involving Two Caputo Derivatives. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2020, 125, 173-195.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Numerical algorithm based on fast convolution for fractional calculus. Thermal Science, 2012, 16, 365-371.	1.1	1
20	Fast High-Order Difference Scheme for the Modified Anomalous Subdiffusion Equation Based on Fast Discrete Sine Transform. Journal of Function Spaces, 2021, 2021, 1-9.	0.9	1
21	Efficient Temporal Third/Fourth-Order Finite Element Method for a Time-Fractional Mobile/Immobile Transport Equation with Smooth and Nonsmooth Data. Materials, 2021, 14, 5792.	2.9	1
22	Crank-Nicolson ADI Galerkin Finite Element Methods for Two Classes of Riesz Space Fractional Partial Differential Equations. CMES - Computer Modeling in Engineering and Sciences, 2020, 123, 917-939.	1.1	1