

Shao-Wen Yao

List of Publications by Year in descending order

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citations

361413

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docs citations

72
times ranked

651
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of Cu-water nano-fluid of natural convection hydro-magnetic heat transport in a Darcian porous regime with diffusion-thermo. Applied Nanoscience (Switzerland), 2023, 13, 283-293.	3.1	8
2	FRACTAL HADAMARD-MERCER-TYPE INEQUALITIES WITH APPLICATIONS. Fractals, 2022, 30, .	3.7	11
3	Thermo-viscoelastic behavior in an infinitely thin orthotropic hollow cylinder with variable properties under the non-Fourier MGT thermoelastic model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, e202000344.	1.6	8
4	Numerical investigation of ohmically dissipated mixed convective flow. Case Studies in Thermal Engineering, 2022, 31, 101809.	5.7	8
5	Exact soliton solutions to the Cahn-Allen equation and Predator-Prey model with truncated M-fractional derivative. Results in Physics, 2022, 37, 105455.	4.1	24
6	ANALYSIS OF FRACTIONAL ORDER DIARRHEA MODEL USING FRACTAL FRACTIONAL OPERATOR. Fractals, 2022, 30, .	3.7	5
7	Fractal approach to explanation of silkworm cocoon's biomechanism. Thermal Science, 2021, 25, 1501-1507.	1.1	0
8	Computational fluid dynamic simulations and heat transfer characteristic comparisons of various arc-baffled channels. Open Physics, 2021, 19, 51-60.	1.7	9
9	Variational principle for non-linear fractional wave equation in a fractal space. Thermal Science, 2021, 25, 1243-1247.	1.1	7
10	A detailed study on a solvable system related to the linear fractional difference equation. Mathematical Biosciences and Engineering, 2021, 18, 5392-5408.	1.9	7
11	Series solution to fractional contact problem using Caputo's derivative. Open Physics, 2021, 19, 402-412.	1.7	3
12	Double-Diffusive of a Nanofluid in a Rectangle-Shape Mounted on a Cavity Saturated by Heterogeneous Porous Media. Journal of Mathematics, 2021, 2021, 1-14.	1.0	2
13	Invariance Analysis, Exact Solution and Conservation Laws of (2 + 1) Dim Fractional Kadomtsev-Petviashvili (KP) System. Symmetry, 2021, 13, 477.	2.2	22
14	A POWERFUL ITERATIVE APPROACH FOR QUINTIC COMPLEX GINZBURG-LANDAU EQUATION WITHIN THE FRAME OF FRACTIONAL OPERATOR. Fractals, 2021, 29, 2140023.	3.7	44
15	Analysis of novel fractional COVID-19 model with real-life data application. Results in Physics, 2021, 23, 103968.	4.1	21
16	Second-Order Impulsive Delay Differential Systems: Necessary and Sufficient Conditions for Oscillatory or Asymptotic Behavior. Symmetry, 2021, 13, 722.	2.2	10
17	A Novel Numerical Method for Computing Subdivision Depth of Quaternary Schemes. Mathematics, 2021, 9, 809.	2.2	3
18	New Aspects for Oscillation of Differential Systems with Mixed Delays and Impulses. Symmetry, 2021, 13, 780.	2.2	7

#	ARTICLE	IF	CITATIONS
19	The Comparative Study for Solving Fractional-Order Fornberg's Whitham Equation via Laplace Transform. <i>Symmetry</i> , 2021, 13, 784.	2.2	33
20	New Oscillation Theorems for Second-Order Differential Equations with Canonical and Non-Canonical Operator via Riccati Transformation. <i>Mathematics</i> , 2021, 9, 1111.	2.2	13
21	Some Novel Generalized Strong Coupled Fixed Point Findings in Cone Metric Spaces with Application to Integral Equations. <i>Journal of Function Spaces</i> , 2021, 2021, 1-9.	0.9	1
22	Lie Symmetry Analysis, Conservation Laws, Power Series Solutions, and Convergence Analysis of Time Fractional Generalized Drinfeld-Sokolov Systems. <i>Symmetry</i> , 2021, 13, 874.	2.2	11
23	New wave surfaces and bifurcation of nonlinear periodic waves for Gilson-Pickering equation. <i>Results in Physics</i> , 2021, 24, 104192.	4.1	21
24	Hybrid nanomaterial transportation and Lorentz effects in a permeable sinusoidal duct. <i>Journal of Molecular Liquids</i> , 2021, 332, 115796.	4.9	7
25	The solitary wave solutions to the Klein-Gordon-Zakharov equations by extended rational methods. <i>AIP Advances</i> , 2021, 11, 065218.	1.3	4
26	Soliton solutions to the Boussinesq equation through sine-Gordon method and Kudryashov method. <i>Results in Physics</i> , 2021, 25, 104228.	4.1	117
27	Augmentation of performance of system with dispersion of nanoparticles inside PCM. <i>Journal of Molecular Liquids</i> , 2021, 333, 115921.	4.9	14
28	Analytical solutions of nonlinear time fractional evaluation equations via unified method with different derivatives and their comparison. <i>Results in Physics</i> , 2021, 26, 104357.	4.1	13
29	Existence of Solutions for a Singular Fractional q-Differential Equations under Riemann-Liouville Integral Boundary Condition. <i>Symmetry</i> , 2021, 13, 1235.	2.2	20
30	Nonlinear dispersion in parabolic law medium and its optical solitons. <i>Results in Physics</i> , 2021, 26, 104411.	4.1	92
31	Convergence Results for Total Asymptotically Nonexpansive Monotone Mappings in Modular Function Spaces. <i>Journal of Function Spaces</i> , 2021, 2021, 1-7.	0.9	0
32	A RIGID PENDULUM IN A MICROGRAVITY: SOME SPECIAL PROPERTIES AND A TWO-SCALE FRACTAL MODEL. <i>Fractals</i> , 2021, 29, 2150127.	3.7	1
33	A novel mathematical model for COVID-19 with remedial strategies. <i>Results in Physics</i> , 2021, 27, 104248.	4.1	18
34	Homotopic fractional analysis of thin film flow of Oldroyd 6-Constant fluid. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 5311-5322.	6.4	8
35	Pharmacological and engineering biomedical applications of peristaltically induced flow in a curved channel. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 4995-5008.	6.4	9
36	Oscillation behavior for neutral delay differential equations of second-order. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 4390-4401.	1.9	1

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37	Thermo-viscoelastic orthotropic constraint cylindrical cavity with variable thermal properties heated by laser pulse via the MGT thermoelasticity model. Open Physics, 2021, 19, 504-518.	1.7	10
38	Magnetic charged particles of optical spherical antiferromagnetic model with fractional system. Open Physics, 2021, 19, 590-601.	1.7	0
39	Analysis of a functionally graded thermopiezoelectric finite rod excited by a moving heat source. Results in Physics, 2020, 19, 103389.	4.1	29
40	Analysing time-fractional exotic options via efficient local meshless method. Results in Physics, 2020, 19, 103385.	4.1	61
41	On Behavioral Response of Microstructural Slip on the Development of Magnetohydrodynamic Micropolar Boundary Layer Flow. Complexity, 2020, 2020, 1-12.	1.6	6
42	Thermal behavior of hybrid nanomaterial within a permeable chamber considering Lorentz impact. Applied Nanoscience (Switzerland), 2020, , 1.	3.1	0
43	Silver ion release from Ag/PET hollow fibers: Mathematical model and its application to food packing. Journal of Engineered Fibers and Fabrics, 2020, 15, 155892502093544.	1.0	8
44	Functionally Graded Piezoelectric Medium Exposed to a Movable Heat Flow Based on a Heat Equation with a Memory-Dependent Derivative. Materials, 2020, 13, 3953.	2.9	39
45	Second-Order Differential Equation with Multiple Delays: Oscillation Theorems and Applications. Complexity, 2020, 2020, 1-6.	1.6	13
46	Construction of Different Types Analytic Solutions for the Zhiber-Shabat Equation. Mathematics, 2020, 8, 908.	2.2	54
47	New Oscillation Criteria for Advanced Differential Equations of Fourth Order. Mathematics, 2020, 8, 728.	2.2	38
48	A FRACTAL VARIATIONAL PRINCIPLE FOR THE TELEGRAPH EQUATION WITH FRACTAL DERIVATIVES. Fractals, 2020, 28, 2050058.	3.7	38
49	An efficient approach for the numerical solution of fifth-order KdV equations. Open Mathematics, 2020, 18, 738-748.	1.0	33
50	He's fractional derivative for the evolution equation. Thermal Science, 2020, 24, 2507-2513.	1.1	16
51	A variational principle for the photocatalytic NO _x abatement. Thermal Science, 2020, 24, 2515-2518.	1.1	6
52	Effect of air-flow parameters on the morphology of nanofibrous yarns by blown bubble-spinning. Thermal Science, 2020, 24, 2637-2643.	1.1	3
53	Application of local meshless method for the solution of two term time fractional-order multi-dimensional PDE arising in heat and mass transfer. Thermal Science, 2020, 24, 95-105.	1.1	3
54	Application of local meshless method for the solution of two term time fractional-order multi-dimensional PDE arising in heat and mass transfer. Thermal Science, 2020, 24, 95-105.	1.1	51

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55	A free-standing PAN/PMMA/rGO carbon paper as an effective interlayer for high performance lithium-sulfur batteries. <i>Thermal Science</i> , 2020, 24, 2485-2490.	1.1	3
56	Analytical solution for non-linear local fractional Bratu-type equation in a fractal space. <i>Thermal Science</i> , 2020, 24, 3941-3947.	1.1	1
57	He's multiple scales method for nonlinear vibrations. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2019, 38, 1708-1712.	2.9	40
58	Arithmetic Means for a Class of Functions and the Modified Bessel Functions of the First Kind. <i>Mathematics</i> , 2019, 7, 60.	2.2	4
59	Silkworm-based silk fibers by electrospinning. <i>Results in Physics</i> , 2019, 15, 102646.	4.1	37
60	Pattern formation of a diffusive predator-prey model with strong Allee effect and nonconstant death rate. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121350.	2.6	13
61	Fractal diffusion of silver ions in hollow cylinders with unsmooth inner surface. <i>Journal of Engineered Fibers and Fabrics</i> , 2019, 14, 155892501989564.	1.0	5
62	Experimental verification of the fractional model for silver ion release from hollow fibers. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2019, 38, 1041-1044.	2.9	5
63	Release oscillation in a hollow fiber – Part 1: Mathematical model and fast estimation of its frequency. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2019, 38, 1703-1707.	2.9	9
64	A complement to period/frequency estimation of a nonlinear oscillator. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2019, 38, 992-995.	2.9	11
65	A new approximate analytical method for a system of fractional differential equations. <i>Thermal Science</i> , 2019, 23, 853-858.	1.1	3
66	Numerical method for fractional Zakharov-Kuznetsov equations with He's fractional derivative. <i>Thermal Science</i> , 2019, 23, 2163-2170.	1.1	31
67	A fractal derivative model for snow's thermal insulation property. <i>Thermal Science</i> , 2019, 23, 2351-2354.	1.1	48
68	A fractal rate model for adsorption kinetics at solid/solution interface. <i>Thermal Science</i> , 2019, 23, 2477-2480.	1.1	29
69	Bistability and Turing pattern induced by cross fraction diffusion in a predator-prey model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 982-988.	2.6	13
70	Convective transportation of ferrofluid through a chamber. <i>Applied Nanoscience (Switzerland)</i> , 0, , 1.	3.1	0
71	Numerical solution of second order Painlevé differential equation. <i>Journal of Mathematics and Computer Science</i> , 0, , 150-157.	1.0	10
72	VARIATIONAL PERSPECTIVE FOR THE FRACTAL THIN FILM EQUATION ARISING IN ELECTROANALYTICAL CHEMISTRY. <i>Fractals</i> , 0, , .	3.7	0