

Ibrahim Mahariq

List of Publications by Year in descending order

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79
papers

1,393
citations

331538

21
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395590

33
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82
all docs

82
docs citations

82
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of nonlinear fractional delay differential equation via singular fractional operator. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 645-660.	0.4	1
2	Modeling and Sensitivity Analysis of Thermal Conductivity of Ethylene Glycol-Water Based Nanofluids with Alumina Nanoparticles. Experimental Techniques, 2023, 47, 83-90.	0.9	11
3	Numerical computations and theoretical investigations of a dynamical system with fractional order derivative. AEJ - Alexandria Engineering Journal, 2022, 61, 1982-1994.	3.4	16
4	Enhanced electromagnetic wave dissipation features of magnetic Ni microspheres by developing core-double shells structure. Ceramics International, 2022, 48, 446-454.	2.3	16
5	Utilization of Machine Learning Methods in Modeling Specific Heat Capacity of Nanofluids. Computers, Materials and Continua, 2022, 70, 361-374.	1.5	11
6	Identification of Composite-Metal Bolted Structures with Nonlinear Contact Effect. Computers, Materials and Continua, 2022, 70, 3383-3397.	1.5	0
7	THEORETICAL AND COMPUTATIONAL RESULTS FOR MIXED TYPE VOLTERRAâ€™FREDHOLM FRACTIONAL INTEGRAL EQUATIONS. Fractals, 2022, 30, .	1.8	2
8	Aeroelastic Optimization of the High Aspect Ratio Wing with Aileron. Computers, Materials and Continua, 2022, 70, 5569-5581.	1.5	2
9	Study of implicit-impulsive differential equations involving Caputo-Fabrizio fractional derivative. AIMS Mathematics, 2022, 7, 4017-4037.	0.7	13
10	Fractional order mathematical modeling of typhoid fever disease. Results in Physics, 2022, 32, 105044.	2.0	45
11	Influence of shoulder diameter on interfacial microstructure and mechanical behavior in dieless friction stir riveting of CP-Copper to 321 stainless steel. Vacuum, 2022, 197, 110809.	1.6	5
12	Heat transfer and exergy destruction analyses with ferrofluid in LS-3 solar collector under dipole magnetic field. Sustainable Energy Technologies and Assessments, 2022, 51, 101952.	1.7	4
13	Thermomagnetic mix convection heat transfer of air in the influence of the magnetic field of permanent magnet. Case Studies in Thermal Engineering, 2022, 31, 101802.	2.8	4
14	Experimental investigation on the thermo-hydraulic performance of airâ€™water two-phase flow inside a horizontal circumferentially corrugated tube. AEJ - Alexandria Engineering Journal, 2022, 61, 6769-6783.	3.4	13
15	Simultaneous synthesis of H ₂ , O ₂ , and N ₂ via an innovatory energy system in Coronavirus pandemic time: Design, techno-economic assessment, and optimization approaches. International Journal of Hydrogen Energy, 2022, 47, 26038-26052.	3.8	28
16	Performance Optimization of the Helical Heat Exchanger With Turbulator. Frontiers in Energy Research, 2022, 9, .	1.2	14
17	Experimental study on entropic behavior of smooth pipe due to the simultaneous usage of spring turbulator and air bubble injection. Case Studies in Thermal Engineering, 2022, 33, 101974.	2.8	5
18	Profit and efficiency enhancement of a cylindrical solar collector by structural modification of helical tube. Case Studies in Thermal Engineering, 2022, 34, 101982.	2.8	11

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19	A Comparative Analysis of the Fractional-Order Coupled Kortewegâ€De Vries Equations with the Mittagâ€Leffler Law. <i>Journal of Mathematics</i> , 2022, 2022, 1-30.	0.5	47
20	Technical Design and Economic Investigations for Reducing CO2 Emission considering Environmental Protection Agency Standards by Employing an Optimum Grid-Connected PV/Battery System. <i>International Journal of Photoenergy</i> , 2022, 2022, 1-13.	1.4	5
21	Polymeric photonic quasicrystal: octonacci sequence and elasto-optic effect. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	2
22	Two-dimensional Haar Wavelet Method for Numerical Solution of Delay Partial Differential Equations. <i>Journal of Function Spaces</i> , 2022, 2022, 1-9.	0.4	1
23	Optimizing the layer arrangement in a three-layer absorber based on magneto-electric nanocomposite for enhanced microwave absorption. <i>Ceramics International</i> , 2022, 48, 31537-31547.	2.3	3
24	Performance boost of a helical heat absorber by utilization of twisted tape turbulator, an experimental investigation. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102240.	2.8	16
25	Applying wind energy as a clean source for reverse osmosis desalination: A comprehensive review. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 12977-12989.	3.4	54
26	A comparative study of spreading of novel corona virus disease by ussing fractional order modified SEIR model. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 573-585.	3.4	28
27	Energy-related carbon dioxide emission forecasting of four European countries by employing data-driven methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1999-2008.	2.0	21
28	Machine learning-based approaches for modeling thermophysical properties of hybrid nanofluids: A comprehensive review. <i>Journal of Molecular Liquids</i> , 2021, 322, 114843.	2.3	55
29	Modeling CO2 Emission of Middle Eastern Countries Using Intelligent Methods. <i>Computers, Materials and Continua</i> , 2021, 69, 3767-3781.	1.5	6
30	A Novel Beamforming Emulating Photonic Nanojets for Wireless Relay Networks. <i>Computers, Materials and Continua</i> , 2021, 69, 575-588.	1.5	5
31	Stability analysis of initial value problem of pantograph-type implicit fractional differential equations with impulsive conditions. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	24
32	Numerical solution of the second order linear and nonlinear integro-differential equations using Haar wavelet method. <i>Arab Journal of Basic and Applied Sciences</i> , 2021, 28, 12-20.	1.0	16
33	Modeling of Heart Rate Variability Using Time-Frequency Representations. <i>Computers, Materials and Continua</i> , 2021, 69, 1289-1299.	1.5	0
34	Iterative analysis of non-linear Swiftâ€Hohenberg equations under nonsingular fractional order derivative. <i>Results in Physics</i> , 2021, 23, 104080.	2.0	3
35	Global transmission dynamic of SIR model in the time of SARS-CoV-2. <i>Results in Physics</i> , 2021, 25, 104253.	2.0	4
36	Mathematical analysis of HBV and HCV co-infection model under nonsingular fractional order derivative. <i>Results in Physics</i> , 2021, 28, 104582.	2.0	30

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37	Analytical solution of non-linear fractional order Swift-Hohenberg equations. <i>Ain Shams Engineering Journal</i> , 2021, 12, 3099-3107.	3.5	7
38	Thermal, efficiency and power output evaluation of pyramid, hexagonal and conical forms as solar panel. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101232.	2.8	16
39	Compound usage of L shaped fin and Nano-particles for the acceleration of the solidification process inside a vertical enclosure (A comparison with ordinary double rectangular fin). <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101415.	2.8	16
40	Mathematical analysis of nonlinear integral boundary value problem of proportional delay implicit fractional differential equations with impulsive conditions. <i>Boundary Value Problems</i> , 2021, 2021, .	0.3	16
41	A new approach for the qualitative study of vector born disease using Caputo's Fabrizio derivative. <i>Numerical Methods for Partial Differential Equations</i> , 2021, 37, 1809-1818.	2.0	4
42	Applications of Thermal Energy Storage in Solar Organic Rankine Cycles: A Comprehensive Review. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	19
43	Utilization of Data-Driven Methods in Solar Desalination Systems: A Comprehensive Review. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	28
44	\hat{I} -Haar Wavelet Operational Matrix Method for Fractional Relaxation-Oscillation Equations Containing \hat{I} -Caputo Fractional Derivative. <i>Journal of Function Spaces</i> , 2021, 2021, 1-14.	0.4	20
45	Numerical Analysis of the Fractional-Order Nonlinear System of Volterra Integro-Differential Equations. <i>Journal of Function Spaces</i> , 2021, 2021, 1-10.	0.4	22
46	Thermal, hydraulic, exergitic and economic evaluation of a flat tube heat exchanger equipped with a plain and modified conical turbulator. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101587.	2.8	7
47	A Possible Technique for Sea Waves Energy Extraction in Kuwait. , 2021, , .		0
48	Thermophysical Properties of Hybrid Nanofluids and the Proposed Models: An Updated Comprehensive Study. <i>Nanomaterials</i> , 2021, 11, 3084.	1.9	57
49	Study of Fuzzy Fractional Nonlinear Equal Width Equation in the Sense of Novel Operator. <i>Journal of Function Spaces</i> , 2021, 2021, 1-12.	0.4	1
50	Reconfigurable thin film filter for compensating AOI deviation effects using LC coupled cavities. <i>Optics Communications</i> , 2020, 456, 124672.	1.0	1
51	Fractal-Fractional Mathematical Model Addressing the Situation of Corona Virus in Pakistan. <i>Results in Physics</i> , 2020, 19, 103560.	2.0	49
52	Photonic Nanojets and Whispering Gallery Modes in Smooth and Corrugated Micro-Cylinders under Point-Source Illumination. <i>Photonics</i> , 2020, 7, 50.	0.9	14
53	A review on the approaches employed for cooling PV cells. <i>Solar Energy</i> , 2020, 209, 170-185.	2.9	98
54	Estimating the Heat Capacity of Non-Newtonian Ionanofluid Systems Using ANN, ANFIS, and SGB Tree Algorithms. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6432.	1.3	34

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55	A Programmable Mode-Locked Fiber Laser Using Phase-Only Pulse Shaping and the Genetic Algorithm. <i>Photonics</i> , 2020, 7, 69.	0.9	7
56	Qualitative Analysis of a Mathematical Model in the Time of COVID-19. <i>BioMed Research International</i> , 2020, 2020, 1-11.	0.9	81
57	On the Eddy Current Losses in Metallic Towers. <i>International Journal of Renewable Energy Development</i> , 2020, 9, 1-6.	1.2	6
58	Identification of nonlinear normal modes for a highly flexible beam. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2419-2427.	3.4	7
59	Time-resolved frequency chirp control of semiconductor lasers using digital signal processing. <i>Optik</i> , 2020, 206, 164308.	1.4	0
60	Identification of nonlinear model for rotary high aspect ratio flexible blade using free vibration response. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2131-2139.	3.4	13
61	Study of impulsive fractional differential equation under Robin boundary conditions by topological degree method. <i>Boundary Value Problems</i> , 2020, 2020, .	0.3	11
62	The Relationship between Individualism and Cyberbullying: The Mediating Effect of Internet Addiction (Preprint). <i>Journal of Medical Internet Research</i> , 2020, 22, e16210.	2.1	20
63	Analysis of Twitter Data Using Evolutionary Clustering during the COVID-19 Pandemic. <i>Computers, Materials and Continua</i> , 2020, 65, 193-204.	1.5	58
64	Experimental realization of electromigration at high power for copper wires. <i>Journal of Energy Systems</i> , 2019, 3, 158-167.	0.8	5
65	Strong electromagnetic field localization near the surface of hemicylindrical particles. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	16
66	A spectral element method for the solution of magnetostatic fields. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2017, 25, 2922-2932.	0.9	35
67	On the application of the spectral element method in electromagnetic problems involving domain decomposition. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2017, 25, 1059-1069.	0.9	36
68	Persistence of photonic nanojet formation under the deformation of circular boundary. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 535.	0.9	25
69	Strong field enhancement of resonance modes in dielectric microcylinders. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 656.	0.9	27
70	Analysis of scattering from perfect electric conducting cylinders by spectral element method. , 2015, , .		0
71	Mode analysis and light confinement of optical rib waveguides in various air slot configurations. , 2015, , .		1
72	Engineering photonic Nanojet generation. , 2015, , .		1

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73	On- and off-optical-resonance dynamics of dielectric microcylinders under plane wave illumination. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1022.	0.9	27
74	Photonic Nanojet Analysis by Spectral Element Method. IEEE Photonics Journal, 2014, 6, 1-14.	1.0	49
75	On the Accuracy of Spectral Element Method in Electromagnetic Scattering Problems. International Journal of Computer Theory and Engineering, 2014, 6, 495-499.	3.2	23
76	On coupled nonlinear evolution system of fractional order with a proportional delay. Mathematical Methods in the Applied Sciences, 0, , .	1.2	0
77	An Evolutionary Clustering Analysis of Social Media Content and Global Infection Rates During the COVID-19 Pandemic. Journal of Information and Knowledge Management, 0, , 2150038.	0.8	5
78	STUDY OF FRACTIONAL ORDER DELAY CAUCHY NON-AUTONOMOUS EVOLUTION PROBLEMS VIA DEGREE THEORY. Fractals, 0, , 2240013.	1.8	1
79	FRACTIONAL ORDER ANALYSIS OF HBV AND HCV CO-INFECTION UNDER ABC DERIVATIVE. Fractals, 0, , .	1.8	7