

Ibrahim Mahariq

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5852064/publications.pdf>

Version: 2024-02-01

79
papers

1,393
citations

331538

21
h-index

395590

33
g-index

82
all docs

82
docs citations

82
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the approaches employed for cooling PV cells. Solar Energy, 2020, 209, 170-185.	2.9	98
2	Qualitative Analysis of a Mathematical Model in the Time of COVID-19. BioMed Research International, 2020, 2020, 1-11.	0.9	81
3	Analysis of Twitter Data Using Evolutionary Clustering during the COVID-19 Pandemic. Computers, Materials and Continua, 2020, 65, 193-204.	1.5	58
4	Thermophysical Properties of Hybrid Nanofluids and the Proposed Models: An Updated Comprehensive Study. Nanomaterials, 2021, 11, 3084.	1.9	57
5	Machine learning-based approaches for modeling thermophysical properties of hybrid nanofluids: A comprehensive review. Journal of Molecular Liquids, 2021, 322, 114843.	2.3	55
6	Applying wind energy as a clean source for reverse osmosis desalination: A comprehensive review. AEJ - Alexandria Engineering Journal, 2022, 61, 12977-12989.	3.4	54
7	Photonic Nanojet Analysis by Spectral Element Method. IEEE Photonics Journal, 2014, 6, 1-14.	1.0	49
8	Fractal-Fractional Mathematical Model Addressing the Situation of Corona Virus in Pakistan. Results in Physics, 2020, 19, 103560.	2.0	49
9	A Comparative Analysis of the Fractional-Order Coupled Kortewegâ€De Vries Equations with the Mittagâ€Leffler Law. Journal of Mathematics, 2022, 2022, 1-30.	0.5	47
10	Fractional order mathematical modeling of typhoid fever disease. Results in Physics, 2022, 32, 105044.	2.0	45
11	On the application of the spectral element method in electromagnetic problems involving domain decomposition. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 1059-1069.	0.9	36
12	A spectral element method for the solution of magnetostatic fields. Turkish Journal of Electrical Engineering and Computer Sciences, 2017, 25, 2922-2932.	0.9	35
13	Estimating the Heat Capacity of Non-Newtonian Ionanofluid Systems Using ANN, ANFIS, and SGB Tree Algorithms. Applied Sciences (Switzerland), 2020, 10, 6432.	1.3	34
14	Mathematical analysis of HBV and HCV co-infection model under nonsingular fractional order derivative. Results in Physics, 2021, 28, 104582.	2.0	30
15	A comparative study of spreading of novel corona virus disease by using fractional order modified SEIR model. AEJ - Alexandria Engineering Journal, 2021, 60, 573-585.	3.4	28
16	Utilization of Data-Driven Methods in Solar Desalination Systems: A Comprehensive Review. Frontiers in Energy Research, 2021, 9, .	1.2	28
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Strong field enhancement of resonance modes in dielectric microcylinders. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 656.	0.9	27
20	Persistence of photonic nanojet formation under the deformation of circular boundary. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 535.	0.9	25
21	Stability analysis of initial value problem of pantograph-type implicit fractional differential equations with impulsive conditions. Advances in Difference Equations, 2021, 2021, .	3.5	24
22	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
23	Numerical Analysis of the Fractional-Order Nonlinear System of Volterra Integro-Differential Equations. Journal of Function Spaces, 2021, 2021, 1-10.	0.4	22
24	Energy-related carbon dioxide emission forecasting of four European countries by employing data-driven methods. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1999-2008.	2.0	21
25	The Relationship between Individualism and Cyberbullying: The Mediating Effect of Internet Addiction (Preprint). Journal of Medical Internet Research, 2020, 22, e16210.	2.1	20
26	\hat{I} -Haar Wavelet Operational Matrix Method for Fractional Relaxation-Oscillation Equations Containing \hat{I} -Caputo Fractional Derivative. Journal of Function Spaces, 2021, 2021, 1-14.	0.4	20
27	Applications of Thermal Energy Storage in Solar Organic Rankine Cycles: A Comprehensive Review. Frontiers in Energy Research, 2021, 9, .	1.2	19
28	Strong electromagnetic field localization near the surface of hemicylindrical particles. Optical and Quantum Electronics, 2018, 50, 1.	1.5	16
29	Numerical solution of the second order linear and nonlinear integro-differential equations using Haar wavelet method. Arab Journal of Basic and Applied Sciences, 2021, 28, 12-20.	1.0	16
30	Numerical computations and theoretical investigations of a dynamical system with fractional order derivative. AEJ - Alexandria Engineering Journal, 2022, 61, 1982-1994.	3.4	16
31	Enhanced electromagnetic wave dissipation features of magnetic Ni microspheres by developing core-double shells structure. Ceramics International, 2022, 48, 446-454.	2.3	16
32	Thermal, efficiency and power output evaluation of pyramid, hexagonal and conical forms as solar panel. Case Studies in Thermal Engineering, 2021, 27, 101232.	2.8	16
33	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). Case Studies in Thermal Engineering, 2021, 28, 101415.	2.8	16
34	Mathematical analysis of nonlinear integral boundary value problem of proportional delay implicit fractional differential equations with impulsive conditions. Boundary Value Problems, 2021, 2021, .	0.3	16
35	Performance boost of a helical heat absorber by utilization of twisted tape turbulator, an experimental investigation. Case Studies in Thermal Engineering, 2022, 36, 102240.	2.8	16
36	Photonic Nanojets and Whispering Gallery Modes in Smooth and Corrugated Micro-Cylinders under Point-Source Illumination. Photonics, 2020, 7, 50.	0.9	14

#	ARTICLE	IF	CITATIONS
37	Performance Optimization of the Helical Heat Exchanger With Turbulator. <i>Frontiers in Energy Research</i> , 2022, 9, .	1.2	14
38	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
39	Study of implicit-impulsive differential equations involving Caputo-Fabrizio fractional derivative. <i>AIMS Mathematics</i> , 2022, 7, 4017-4037.	0.7	13
40	Experimental investigation on the thermo-hydraulic performance of air-water two-phase flow inside a horizontal circumferentially corrugated tube. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 6769-6783.	3.4	13
41	Utilization of Machine Learning Methods in Modeling Specific Heat Capacity of Nanofluids. <i>Computers, Materials and Continua</i> , 2022, 70, 361-374.	1.5	11
42	Study of impulsive fractional differential equation under Robin boundary conditions by topological degree method. <i>Boundary Value Problems</i> , 2020, 2020, .	0.3	11
43	Modeling and Sensitivity Analysis of Thermal Conductivity of Ethylene Glycol-Water Based Nanofluids with Alumina Nanoparticles. <i>Experimental Techniques</i> , 2023, 47, 83-90.	0.9	11
44	Profit and efficiency enhancement of a cylindrical solar collector by structural modification of helical tube. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 101982.	2.8	11
45	A Programmable Mode-Locked Fiber Laser Using Phase-Only Pulse Shaping and the Genetic Algorithm. <i>Photonics</i> , 2020, 7, 69.	0.9	7
46	Identification of nonlinear normal modes for a highly flexible beam. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2419-2427.	3.4	7
47	Analytical solution of non-linear fractional order Swift-Hohenberg equations. <i>Ain Shams Engineering Journal</i> , 2021, 12, 3099-3107.	3.5	7
48	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
49	FRACTIONAL ORDER ANALYSIS OF HBV AND HCV CO-INFECTION UNDER ABC DERIVATIVE. <i>Fractals</i> , 0, , .	1.8	7
50	On the Eddy Current Losses in Metallic Towers. <i>International Journal of Renewable Energy Development</i> , 2020, 9, 1-6.	1.2	6
51	Modeling CO2 Emission of Middle Eastern Countries Using Intelligent Methods. <i>Computers, Materials and Continua</i> , 2021, 69, 3767-3781.	1.5	6
52	A Novel Beamforming Emulating Photonic Nanojets for Wireless Relay Networks. <i>Computers, Materials and Continua</i> , 2021, 69, 575-588.	1.5	5
53	An Evolutionary Clustering Analysis of Social Media Content and Global Infection Rates During the COVID-19 Pandemic. <i>Journal of Information and Knowledge Management</i> , 0, , 2150038.	0.8	5
54	Experimental realization of electromigration at high power for copper wires. <i>Journal of Energy Systems</i> , 2019, 3, 158-167.	0.8	5

#	ARTICLE	IF	CITATIONS
55	Influence of shoulder diameter on interfacial microstructure and mechanical behavior in dieless friction stir riveting of CP-Copper to 321 stainless steel. <i>Vacuum</i> , 2022, 197, 110809.	1.6	5
56	Experimental study on entropic behavior of smooth pipe due to the simultaneous usage of spring turbulator and air bubble injection. <i>Case Studies in Thermal Engineering</i> , 2022, 33, 101974.	2.8	5
57	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
58	Global transmission dynamic of SIR model in the time of SARS-CoV-2. <i>Results in Physics</i> , 2021, 25, 104253.	2.0	4
59	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
60	Heat transfer and exergy destruction analyses with ferrofluid in LS-3 solar collector under dipole magnetic field. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101952.	1.7	4
61	Thermomagnetic mix convection heat transfer of air in the influence of the magnetic field of permanent magnet. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101802.	2.8	4
62	Iterative analysis of non-linear Swift-Hohenberg equations under nonsingular fractional order derivative. <i>Results in Physics</i> , 2021, 23, 104080.	2.0	3
63	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
64	THEORETICAL AND COMPUTATIONAL RESULTS FOR MIXED TYPE VOLTERRA-FREDHOLM FRACTIONAL INTEGRAL EQUATIONS. <i>Fractals</i> , 2022, 30, .	1.8	2
65	Aeroelastic Optimization of the High Aspect Ratio Wing with Aileron. <i>Computers, Materials and Continua</i> , 2022, 70, 5569-5581.	1.5	2
66	Polymeric photonic quasicrystal: octonacci sequence and elasto-optic effect. <i>Optical and Quantum Electronics</i> , 2022, 54, 1.	1.5	2
67	Mode analysis and light confinement of optical rib waveguides in various air slot configurations. , 2015, , .		1
68	Engineering photonic Nanojet generation. , 2015, , .		1
69	Reconfigurable thin film filter for compensating AOI deviation effects using LC coupled cavities. <i>Optics Communications</i> , 2020, 456, 124672.	1.0	1
70	STUDY OF FRACTIONAL ORDER DELAY CAUCHY NON-AUTONOMOUS EVOLUTION PROBLEMS VIA DEGREE THEORY. <i>Fractals</i> , 0, , 2240013.	1.8	1
71	Investigation of nonlinear fractional delay differential equation via singular fractional operator. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2023, 24, 645-660.	0.4	1
72	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

#	ARTICLE	IF	CITATIONS
73	Two-dimensional Haar Wavelet Method for Numerical Solution of Delay Partial Differential Equations. Journal of Function Spaces, 2022, 2022, 1-9.	0.4	1
74	Analysis of scattering from perfect electric conducting cylinders by spectral element method. , 2015, , .		0
75	Time-resolved frequency chirp control of semiconductor lasers using digital signal processing. Optik, 2020, 206, 164308.	1.4	0
76	Modeling of Heart Rate Variability Using Time-Frequency Representations. Computers, Materials and Continua, 2021, 69, 1289-1299.	1.5	0
77	On coupled nonlinear evolution system of fractional order with a proportional delay. Mathematical Methods in the Applied Sciences, 0, , .	1.2	0
78	Identification of Composite-Metal Bolted Structures with Nonlinear Contact Effect. Computers, Materials and Continua, 2022, 70, 3383-3397.	1.5	0
79	A Possible Technique for Sea Waves Energy Extraction in Kuwait. , 2021, , .		0