Raja

List of Publications by Year
in descending order

83 papers	2,009 citations	236925 25 h-index	315739 38 g-index
85 all docs	85 docs citations	85 times ranked	1477 citing authors

#	Article	IF	Citations
1	Segmentation by Fractional Order Darwinian Particle Swarm Optimization Based Multilevel Thresholding and Improved Lossless Prediction Based Compression Algorithm for Medical Images. IEEE Access, 2019, 7, 89570-89580.	4.2	118
2	Prediction of COVID-19 - Pneumonia based on Selected Deep Features and One Class Kernel Extreme Learning Machine. Computers and Electrical Engineering, 2021, 90, 106960.	4.8	106
3	An Image Encryption Scheme Based on Block Scrambling, Modified Zigzag Transformation and Key Generation Using Enhanced Logistic–Tent Map. Entropy, 2019, 21, 656.	2.2	76
4	Deep learning convolutional neural network (CNN) With Gaussian mixture model for predicting pancreatic cancer. Multimedia Tools and Applications, 2020, 79, 10233-10247.	3.9	71
5	Simulation analysis of supply chain risk management system based on IoT information platform. Enterprise Information Systems, 2020, 14, 1354-1378.	4.7	63
6	Complex Intuitionistic Fuzzy Graphs with Application in Cellular Network Provider Companies. Mathematics, 2019, 7, 35.	2.2	61
7	Significance of Hall effect and Ion slip in a three-dimensional bioconvective Tangent hyperbolic nanofluid flow subject to Arrhenius activation energy. Scientific Reports, 2020, 10, 18342.	3.3	52
8	Time series forecasting of COVID-19 transmission in Asia Pacific countries using deep neural networks. Personal and Ubiquitous Computing, 2023, 27, 733-750.	2.8	52
9	Impact of Newtonian heating and Fourier and Fick's laws on a magnetohydrodynamic dusty Casson nanofluid flow with variable heat source/sink over a stretching cylinder. Scientific Reports, 2021, 11, 2357.	3.3	52
10	An Efficient Mixture Model Approach in Brain-Machine Interface Systems for Extracting the Psychological Status of Mentally Impaired Persons Using EEG Signals. IEEE Access, 2019, 7, 77905-77914.	4.2	51
11	Adaptive Energy Aware Quality of Service for Reliable Data Transfer in Under Water Acoustic Sensor Networks. IEEE Access, 2019, 7, 80093-80103.	4.2	47
12	A study on ECG signal characterization and practical implementation of some ECG characterization techniques. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106384.	5.0	47
13	Procuring cooperative intelligence in autonomous vehicles for object detection through data fusion approach. IET Intelligent Transport Systems, 2020, 14, 1410-1417.	3.0	46
14	Accurate detection of myocardial infarction using non linear features with ECG signals. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 3227-3244.	4.9	42
15	Effects of Chemical Species and Nonlinear Thermal Radiation with 3D Maxwell Nanofluid Flow with Double Stratification—An Analytical Solution. Entropy, 2020, 22, 453.	2.2	37
16	Molecular Chaperone HSP70 and Key Regulators of Apoptosis - A Review. Current Molecular Medicine, 2019, 19, 315-325.	1.3	37
17	Deep neural network assisted diagnosis of time-frequency transformed electromyograms. Multimedia Tools and Applications, 2020, 79, 11051-11067.	3.9	34
18	Radiative MHD Nanofluid Flow over a Moving Thin Needle with Entropy Generation in a Porous Medium with Dust Particles and Hall Current. Entropy, 2020, 22, 354.	2.2	34

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19	A hybrid machine learning framework to predict mortality in paralytic ileus patients using electronic health records (EHRs). Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 3283-3293.	4.9	34
20	Automated segmentation of leukocyte from hematological images—a study using various CNN schemes. Journal of Supercomputing, 2022, 78, 6974-6994.	3.6	32
21	Diagnosis of diabetic retinopathy using multi level set segmentation algorithm with feature extraction using SVM with selective features. Multimedia Tools and Applications, 2020, 79, 10581-10596.	3.9	31
22	Application of response surface methodology on the nanofluid flow over a rotating disk with autocatalytic chemical reaction and entropy generation optimization. Scientific Reports, 2021, 11, 4021.	3.3	31
23	FAST: Fast Accessing Scheme for data Transmission in cloud computing. Peer-to-Peer Networking and Applications, 2021, 14, 2430-2442.	3.9	30
24	Social distancing enhanced automated optimal design of physical spaces in the wake of the COVID-19 pandemic. Sustainable Cities and Society, 2021, 68, 102791.	10.4	30
25	Comparative analysis of magnetized partially ionized copper, copper oxide—water and kerosene oil nanofluid flow with Cattaneo—Christov heat flux. Scientific Reports, 2020, 10, 19300.	3.3	29
26	Interpretation of entropy generation in Williamson fluid flow with nonlinear thermal radiation and first-order velocity slip. Mathematical Methods in the Applied Sciences, 2021, 44, 7756-7765.	2.3	28
27	Evaluation of brain tumor using brain MRI with modified-moth-flame algorithm and Kapur's thresholding: a study. Evolutionary Intelligence, 2021, 14, 1053-1063.	3.6	28
28	Numerical Simulation of 3D Condensation Nanofluid Film Flow with Carbon Nanotubes on an Inclined Rotating Disk. Applied Sciences (Switzerland), 2020, 10, 168.	2.5	27
29	Upshot of heterogeneous catalysis in a nanofluid flow over a rotating disk with slip effects and Entropy optimization analysis. Scientific Reports, 2021, 11, 120.	3.3	27
30	Neutrosophic cubic Heronian mean operators with applications in multiple attribute group decision-making using cosine similarity functions. International Journal of Distributed Sensor Networks, 2019, 15, 155014771987761.	2.2	26
31	Effect of Viscous Dissipation in Heat Transfer of MHD Flow of Micropolar Fluid Partial Slip Conditions: Dual Solutions and Stability Analysis. Energies, 2019, 12, 4617.	3.1	25
32	Impact of Second-Order Slip and Double Stratification Coatings on 3D MHD Williamson Nanofluid Flow with Cattaneo—Christov Heat Flux. Coatings, 2019, 9, 849.	2.6	25
33	Significance of magnetic Reynolds number in a three-dimensional squeezing Darcy—Forchheimer hydromagnetic nanofluid thin-film flow between two rotating disks. Scientific Reports, 2020, 10, 17208.	3.3	25
34	A dynamic clustering technique based on deep reinforcement learning for Internet of vehicles. Journal of Intelligent Manufacturing, 2021, 32, 757-768.	7.3	25
35	A novel model to analyze Darcy Forchheimer nanofluid flow in a permeable medium with Entropy generation analysis. Journal of Taibah University for Science, 2020, 14, 916-930.	2.5	23
36	Numerical Study for the Effects of Temperature Dependent Viscosity Flow of Non-Newtonian Fluid with Double Stratification. Applied Sciences (Switzerland), 2020, 10, 708.	2.5	23

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37	Thermally Stratified Darcy Forchheimer Flow on a Moving Thin Needle with Homogeneous Heterogeneous Reactions and Non-Uniform Heat Source/Sink. Applied Sciences (Switzerland), 2020, 10, 432.	2.5	22
38	Mathematical modeling of multiphase flows of third-grade fluid with lubrication effects through an inclined channel: analytical treatment. Journal of Dispersion Science and Technology, 2022, 43, 1555-1567.	2.4	21
39	Onset of Cattaneo-Christov Heat Flux and Thermal Stratification in Ethylene-Glycol Based Nanofluid Flow Containing Carbon Nanotubes in a Rotating Frame. IEEE Access, 2019, 7, 146190-146197.	4.2	20
40	Nanofluid flow containing carbon nanotubes with quartic autocatalytic chemical reaction and Thompson and Troian slip at the boundary. Scientific Reports, 2020, 10, 18710.	3.3	19
41	Nanofluid flow with autocatalytic chemical reaction over a curved surface with nonlinear thermal radiation and slip condition. Scientific Reports, 2020, 10, 18339.	3.3	18
42	Impact of hall and ion slip in a thermally stratified nanofluid flow comprising Cu and Al2O3 nanoparticles with nonuniform source/sink. Scientific Reports, 2020, 10, 18064.	3.3	16
43	Modeling and dual solutions for magnetized mixed convective stagnation point flow of upper convected Maxwell fluid model with secondâ€order velocity slip. Mathematical Methods in the Applied Sciences, 0, , .	2.3	16
44	Numerical Analysis of Carbon Nanotube-Based Nanofluid Unsteady Flow Amid Two Rotating Disks with Hall Current Coatings and Homogeneousâ€"Heterogeneous Reactions. Coatings, 2020, 10, 48.	2.6	16
45	Irreversibility minimization analysis of ferromagnetic Oldroyd-B nanofluid flow under the influence of a magnetic dipole. Scientific Reports, 2021, 11, 4810.	3.3	16
46	Novel framework of GIS based automated monitoring process on environmental biodegradability and risk analysis using Internet of Things. Environmental Research, 2021, 194, 110621.	7.5	16
47	Survey of energy drink consumption and adverse health effects in Lebanon. Health Information Science and Systems, 2018, 6, 15.	5.2	14
48	Understanding expert finding systems: domains and techniques. Social Network Analysis and Mining, 2018, 8, 1.	2.8	14
49	Impact of Nonlinear Chemical Reaction and Melting Heat Transfer on an MHD Nanofluid Flow over a Thin Needle in Porous Media. Applied Sciences (Switzerland), 2019, 9, 5492.	2.5	14
50	Neutrosophic Cubic Einstein Hybrid Geometric Aggregation Operators with Application in Prioritization Using Multiple Attribute Decision-Making Method. Mathematics, 2019, 7, 346.	2.2	13
51	Numerical treatment of radiative Nickelâ€"Zinc ferrite-Ethylene glycol nanofluid flow past a curved surface with thermal stratification and slip conditions. Scientific Reports, 2020, 10, 16832.	3.3	12
52	Numerical simulation and modeling of entropy generation in Marangoni convective flow of nanofluid with activation energy. Numerical Methods for Partial Differential Equations, 2023, 39, 4421-4431.	3.6	12
53	Almost Periodic Solutions of First-Order Ordinary Differential Equations. Mathematics, 2018, 6, 171.	2.2	11
54	N-Cubic sets and aggregation operators. Journal of Intelligent and Fuzzy Systems, 2019, 37, 5009-5023.	1.4	11

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55	Role of dipole interactions in Darcy–Forchheimer first-order velocity slip nanofluid flow of Williamson model with Robin conditions. Applied Nanoscience (Switzerland), 2020, 10, 5343-5350.	3.1	11
56	Optimization of makespan and resource utilization in the fog computing environment through task scheduling algorithm. International Journal of Wavelets, Multiresolution and Information Processing, 2020, 18, 1941025.	1.3	11
57	Heat transfer analysis on <scp>MHD</scp> flow over a stretchable <scp>Riga</scp> wall considering <scp>Entropy</scp> generation rate: A numerical study. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	10
58	Framework to Segment and Evaluate Multiple Sclerosis Lesion in MRI Slices Using VGG-UNet. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	10
59	Intelligent social network based data modeling for improving health care. Health and Technology, 2020, 10, 321-332.	3.6	9
60	Dynamics of Arrhenius activation energy in flow of Carreau fluid subject to Brownian motion diffusion. Numerical Methods for Partial Differential Equations, 2023, 39, 4468-4488.	3.6	9
61	Numerical simulation for MHD Darcy–Forchheimer three-dimensional stagnation point flow by a rotating disk with activation energy and partial slip. Applied Nanoscience (Switzerland), 2020, 10, 5469-5477.	3.1	9
62	Application of community detection algorithms on learning networks. The case of Khan Academy repository. Computer Applications in Engineering Education, 2021, 29, 411-424.	3.4	9
63	<scp>CVFEM</scp> based numerical investigation and mathematical modeling of surface dependent magnetized <scp>copper–oxide</scp> nanofluid flow using new model of porous space. Numerical Methods for Partial Differential Equations, 2021, 37, 1481-1494.	3.6	9
64	A New Method to Study the Periodic Solutions of the Ordinary Differential Equations Using Functional Analysis. Mathematics, 2019, 7, 677.	2.2	7
65	An optimized hierarchical encryption technique for tamper recognition. Multimedia Tools and Applications, 2019, 78, 18693-18712.	3.9	7
66	<scp>MHD</scp> two–phase flow of <scp>Jeffrey</scp> fluid suspended with Hafnium and crystal particles: Analytical treatment. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	7
67	Detecting epilepsy in EEG signals using synchro-extracting-transform (SET) supported classification technique. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 10123-10141.	4.9	7
68	Novel Neutrosophic Cubic Graphs Structures With Application in Decision Making Problems. IEEE Access, 2019, 7, 94757-94778.	4.2	6
69	Securing one-time password generation using elliptic-curve cryptography with self-portrait photograph for mobile commerce application. Multimedia Tools and Applications, 2020, 79, 17081-17099.	3.9	6
70	Perturbation based analytical solutions of non–Newtonian differential equation with heat and mass transportation between horizontal permeable channel. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	6
71	Flow and thermal management of MHD Cross nanofluids over a thin needle with auto catalysis chemical reactions. International Journal of Modern Physics B, 2020, 34, 2050287.	2.0	5
72	MicroRNAs: Crucial Regulators of Stress. MicroRNA (Shariqah, United Arab Emirates), 2020, 9, 93-100.	1.2	4

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73	Automating smart Internet of Things devices in modern homes using context-based fuzzy logic. Computational Intelligence, 2024, 40, .	3.2	3
74	Perturbation and numerical solutions of non-Newtonian fluid bounded within in a porous channel: Applications of pseudo-spectral collocation method. Numerical Methods for Partial Differential Equations, 2020, , .	3.6	2
75	Examination of the Role of miR-23a in the Development of Thermotolerance. Current Molecular Medicine, 2020, 20, 194-201.	1.3	2
76	Cost efficiency of Telecommunication Equipment- A Review. , 2018, , .		1
77	Preventive & Predictive Maintenance of Telecommunication Equipment - A Review. , 2018, , .		1
78	Fully developed entropy-optimized MHD nanofluid flow by a variably thickened rotating surface. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	1
79	Generalized Fourier's Law and Darcy–Forchheimer Forced/Mixed Convective Flow Towards a Riga Plate with Second-Order Velocity Slip: A Numerical Study. International Journal of Computational Methods, 2021, 18, 2042002.	1.3	1
80	Diffraction of Transient Cylindrical Waves by a Rigid Oscillating Strip. Applied Sciences (Switzerland), 2020, 10, 3568.	2.5	1
81	Internet-of-Things-Assisted Smart System 4.0 Framework Using Simulated Routing Procedures. Sustainability, 2020, 12, 6119.	3.2	0
82	Advanced microprocessor optimization methods for the Internet of Things. Transactions on Emerging Telecommunications Technologies, 2020, 31, e4187.	3.9	0
83	Foreword: Special Issue on Advances in Evolutionary Computation for Image Processing. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2021, 29, v-vi.	1.9	0