

Vijay Kumar

List of Publications by Year in descending order

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206
papers

10,615
citations

61857

43
h-index

38300

95
g-index

208
all docs

208
docs citations

208
times ranked

6879
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on genetic algorithm: past, present, and future. Multimedia Tools and Applications, 2021, 80, 8091-8126.	2.6	1,701
2	Spotted hyena optimizer: A novel bio-inspired based metaheuristic technique for engineering applications. Advances in Engineering Software, 2017, 114, 48-70.	1.8	773
3	Seagull optimization algorithm: Theory and its applications for large-scale industrial engineering problems. Knowledge-Based Systems, 2019, 165, 169-196.	4.0	720
4	Emperor penguin optimizer: A bio-inspired algorithm for engineering problems. Knowledge-Based Systems, 2018, 159, 20-50.	4.0	558
5	Classification of COVID-19 patients from chest CT images using multi-objective differential evolution-based convolutional neural networks. European Journal of Clinical Microbiology and Infectious Diseases, 2020, 39, 1379-1389.	1.3	473
6	Analysis of long-term rainfall trends in India. Hydrological Sciences Journal, 2010, 55, 484-496.	1.2	460
7	Classification of the COVID-19 infected patients using DenseNet201 based deep transfer learning. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5682-5689.	2.0	383
8	Analysis of rainfall and temperature trends in northeast India. International Journal of Climatology, 2013, 33, 968-978.	1.5	281
9	A novel algorithm for global optimization: Rat Swarm Optimizer. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 8457-8482.	3.3	227
10	Multi-objective spotted hyena optimizer: A Multi-objective optimization algorithm for engineering problems. Knowledge-Based Systems, 2018, 150, 175-197.	4.0	190
11	A Comprehensive Review on Image Encryption Techniques. Archives of Computational Methods in Engineering, 2020, 27, 15-43.	6.0	183
12	Automated Deep Transfer Learning-Based Approach for Detection of COVID-19 Infection in Chest X-rays. Irbm, 2022, 43, 114-119.	3.7	178
13	Trends in rainfall amount and number of rainy days in river basins of India (1951-2004). Hydrology Research, 2011, 42, 290-306.	1.1	105
14	Parameter adaptive harmony search algorithm for unimodal and multimodal optimization problems. Journal of Computational Science, 2014, 5, 144-155.	1.5	98
15	Secure and Energy Efficient-Based E-Health Care Framework for Green Internet of Things. IEEE Transactions on Green Communications and Networking, 2021, 5, 1223-1231.	3.5	92
16	Rapid COVID-19 diagnosis using ensemble deep transfer learning models from chest radiographic images. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 5541-5553.	3.3	84
17	Densely connected convolutional networks-based COVID-19 screening model. Applied Intelligence, 2021, 51, 3044-3051.	3.3	79
18	Spatial and temporal variation and hotspot detection of kala-azar disease in Vaishali district (Bihar), India. BMC Infectious Diseases, 2013, 13, 64.	1.3	77

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19	DDT-based indoor residual spraying suboptimal for visceral leishmaniasis elimination in India. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8573-8578.	3.3	77
20	Deep Neural Network-Based Screening Model for COVID-19-Infected Patients Using Chest X-Ray Images. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, 2151004.	0.7	77
21	A Systematic Review on Firefly Algorithm: Past, Present, and Future. Archives of Computational Methods in Engineering, 2021, 28, 3269-3291.	6.0	73
22	Single image dehazing using gradient channel prior. Applied Intelligence, 2019, 49, 4276-4293.	3.3	68
23	A Comprehensive Review of Computational Dehazing Techniques. Archives of Computational Methods in Engineering, 2019, 26, 1395-1413.	6.0	67
24	Metaheuristic-based Deep COVID-19 Screening Model from Chest X-Ray Images. Journal of Healthcare Engineering, 2021, 2021, 1-9.	1.1	67
25	BOSA: Binary Orientation Search Algorithm. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 5306-5310.	0.2	67
26	Color image dehazing using gradient channel prior and guided L0 filter. Information Sciences, 2020, 521, 326-342.	4.0	66
27	A modified DWT-based image steganography technique. Multimedia Tools and Applications, 2018, 77, 13279-13308.	2.6	65
28	Efficient image encryption method based on improved Lorenz chaotic system. Electronics Letters, 2018, 54, 562-564.	0.5	65
29	Effect of E-learning on public health and environment during COVID-19 lockdown. Big Data Mining and Analytics, 2021, 4, 104-115.	7.5	65
30	Automatic cluster evolution using gravitational search algorithm and its application on image segmentation. Engineering Applications of Artificial Intelligence, 2014, 29, 93-103.	4.3	63
31	An astrophysics-inspired Grey wolf algorithm for numerical optimization and its application to engineering design problems. Advances in Engineering Software, 2017, 112, 231-254.	1.8	61
32	A RGB image encryption technique using Lorenz and Rossler chaotic system on DNA sequences. Multimedia Tools and Applications, 2018, 77, 27017-27039.	2.6	60
33	Performance evaluation of DWT based image steganography. , 2010, , .		56
34	Spotted Hyena Optimizer for Solving Complex and Non-linear Constrained Engineering Problems. Advances in Intelligent Systems and Computing, 2019, , 857-867.	0.5	56
35	Color image encryption using minimax differential evolution-based 7D hyper-chaotic map. Applied Physics B: Lasers and Optics, 2020, 126, 1.	1.1	56
36	Dehazing of remote sensing images using improved restoration model based dark channel prior. Imaging Science Journal, 2017, 65, 282-292.	0.2	55

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37	KnRVEA: A hybrid evolutionary algorithm based on knee points and reference vector adaptation strategies for many-objective optimization. <i>Applied Intelligence</i> , 2019, 49, 2434-2460.	3.3	55
38	Comprehensive survey on haze removal techniques. <i>Multimedia Tools and Applications</i> , 2018, 77, 9595-9620.	2.6	50
39	A 2D logistic map and Lorenz-Rosler chaotic system based RGB image encryption approach. <i>Multimedia Tools and Applications</i> , 2021, 80, 3749-3773.	2.6	50
40	Single image haze removal using integrated dark and bright channel prior. <i>Modern Physics Letters B</i> , 2018, 32, 1850051.	1.0	49
41	Binary whale optimization algorithm and its application to unit commitment problem. <i>Neural Computing and Applications</i> , 2020, 32, 2095-2123.	3.2	49
42	A comparative analysis of optimization solvers. <i>Journal of Statistics and Management Systems</i> , 2017, 20, 623-635.	0.3	48
43	Screening of COVID-19 Suspected Subjects Using Multi-Crossover Genetic Algorithm Based Dense Convolutional Neural Network. <i>IEEE Access</i> , 2021, 9, 142566-142580.	2.6	48
44	Manifestation of the Gouy phase in vector-vortex beams. <i>Optics Letters</i> , 2012, 37, 2667.	1.7	46
45	Adaptive Differential Evolution-Based Lorenz Chaotic System for Image Encryption. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 8127-8144.	1.7	46
46	Grey Wolf Algorithm-Based Clustering Technique. <i>Journal of Intelligent Systems</i> , 2017, 26, 153-168.	1.2	43
47	Beta Chaotic Map Based Image Encryption Using Genetic Algorithm. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018, 28, 1850132.	0.7	43
48	A Comprehensive Review on Multi-objective Optimization Techniques: Past, Present and Future. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 5605-5633.	6.0	43
49	Modified gain intervention filter based dehazing technique. <i>Journal of Modern Optics</i> , 2017, 64, 2165-2178.	0.6	42
50	Binary spotted hyena optimizer and its application to feature selection. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 2625-2645.	3.3	41
51	Electron-impact cross sections for deuterated hydrogen and deuterium molecules. <i>Reports on Progress in Physics</i> , 2010, 73, 116401.	8.1	40
52	Longitudinal Study of Transmission in Households with Visceral Leishmaniasis, Asymptomatic Infections and PKDL in Highly Endemic Villages in Bihar, India. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005196.	1.3	40
53	Evaluating the Impact of COVID-19 on Society, Environment, Economy, and Education. <i>Sustainability</i> , 2021, 13, 13642.	1.6	40
54	Dehazing of remote sensing images using fourth-order partial differential equations based trilateral filter. <i>IET Computer Vision</i> , 2018, 12, 208-219.	1.3	39

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55	Dehazing of outdoor images using notch based integral guided filter. Multimedia Tools and Applications, 2018, 77, 27363-27386.	2.6	38
56	Image dehazing using Moore neighborhood-based gradient profile prior. Signal Processing: Image Communication, 2019, 70, 131-144.	1.8	38
57	Overview of current state of research on the application of artificial intelligence techniques for COVID-19. PeerJ Computer Science, 2021, 7, e564.	2.7	38
58	Football Game Based Optimization: an Application to Solve Energy Commitment Problem. International Journal of Intelligent Engineering and Systems, 2020, 13, 514-523.	0.8	38
59	Comprehensive survey of 3D image steganography techniques. IET Image Processing, 2018, 12, 1-10.	1.4	37
60	Astrophysics inspired multi-objective approach for automatic clustering and feature selection in real-life environment. Modern Physics Letters B, 2018, 32, 1850385.	1.0	36
61	Colour image encryption technique using differential evolution in non-subsampled contourlet transform domain. IET Image Processing, 2018, 12, 1273-1283.	1.4	36
62	Color image encryption approach based on memetic differential evolution. Neural Computing and Applications, 2019, 31, 7975-7987.	3.2	36
63	A Theoretically Sound Upper Bound on the Triplet Loss for Improving the Efficiency of Deep Distance Metric Learning. , 2019, , .		36
64	A novel dehazing model for remote sensing images. Computers and Electrical Engineering, 2018, 69, 14-27.	3.0	35
65	Classification of White blood cell using Convolution Neural Network. Biomedical Signal Processing and Control, 2022, 71, 103156.	3.5	34
66	A Systematic Review on Harmony Search Algorithm: Theory, Literature, and Applications. Mathematical Problems in Engineering, 2021, 2021, 1-22.	0.6	33
67	Parallel non-dominated sorting genetic algorithm-II-based image encryption technique. Imaging Science Journal, 2018, 66, 453-462.	0.2	32
68	Defogging of road images using gain coefficient-based trilateral filter. Journal of Electronic Imaging, 2018, 27, 1.	0.5	32
69	Knockdown resistance mutations predict DDT resistance and pyrethroid tolerance in the visceral leishmaniasis vector Phlebotomus argentipes. PLoS Neglected Tropical Diseases, 2017, 11, e0005504.	1.3	32
70	Fourier-Mellin moment-based intertwining map for image encryption. Modern Physics Letters B, 2018, 32, 1850115.	1.0	31
71	A Novel Binary Seagull Optimizer and its Application to Feature Selection Problem. IEEE Access, 2021, 9, 103481-103496.	2.6	31
72	Spoken Language Identification Using Deep Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-12.	1.1	31

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73	Evolving Fusion-Based Visibility Restoration Model for Hazy Remote Sensing Images Using Dynamic Differential Evolution. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	2.7	31
74	Effect of COVID-19 outbreak on urban health and environment. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 389-397.	1.5	30
75	Voxel-based 3D face reconstruction and its application to face recognition using sequential deep learning. <i>Multimedia Tools and Applications</i> , 2020, 79, 17303-17330.	2.6	29
76	A novel grayscale image encryption approach based on chaotic maps and image blocks. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.	1.1	29
77	Diagnostic evaluation of serological assays and different gene based PCR for detection of <i>Brucella melitensis</i> in goat. <i>Small Ruminant Research</i> , 2014, 117, 94-102.	0.6	28
78	A reversible and affine invariant 3D data hiding technique based on difference shifting and logistic map. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 4947-4961.	3.3	28
79	Kala-azar elimination in a highly-endemic district of Bihar, India: A success story. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008254.	1.3	28
80	Implication of vector characteristics of <i>Phlebotomus argentipes</i> in the kala-azar elimination programme in the Indian sub-continent. <i>Pathogens and Global Health</i> , 2016, 110, 87-96.	1.0	26
81	Single image defogging by gain gradient image filter. <i>Science China Information Sciences</i> , 2019, 62, 1.	2.7	26
82	Designing superhydrophobic disordered arrays of fibers with hierarchical roughness and low-surface-energy. <i>Applied Surface Science</i> , 2016, 389, 469-476.	3.1	25
83	Trends in spatio-temporal dynamics of visceral leishmaniasis cases in a highly-endemic focus of Bihar, India: an investigation based on GIS tools. <i>Parasites and Vectors</i> , 2018, 11, 220.	1.0	25
84	Single Image Defogging using Deep Learning Techniques: Past, Present and Future. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 4449-4469.	6.0	24
85	3D Face Reconstruction in Deep Learning Era: A Survey. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 3475-3507.	6.0	24
86	Statistical analysis of use-phase energy consumption of textile products. <i>International Journal of Life Cycle Assessment</i> , 2016, 21, 1776-1788.	2.2	23
87	Digital Image Steganography Based on Combination of DCT and DWT. <i>Communications in Computer and Information Science</i> , 2010, , 596-601.	0.4	22
88	Delimitation of kala-azar risk areas in the district of Vaishali in Bihar (India) using a geo-environmental approach. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2012, 107, 609-620.	0.8	22
89	VARIANCE-BASED HARMONY SEARCH ALGORITHM FOR UNIMODAL AND MULTIMODAL OPTIMIZATION PROBLEMS WITH APPLICATION TO CLUSTERING. <i>Cybernetics and Systems</i> , 2014, 45, 486-511.	1.6	22
90	A fully yarn integrated tag for tracking the international textile supply chain. <i>Journal of Manufacturing Systems</i> , 2016, 40, 76-86.	7.6	22

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91	Enhanced photocatalytic activity of low cost synthesized Al doped amorphous ZnO/ ZnS heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 117, 113792.	1.3	22
92	Efficacy, Safety and Cost of Insecticide Treated Wall Lining, Insecticide Treated Bed Nets and Indoor Wall Wash with Lime for Visceral Leishmaniasis Vector Control in the Indian Sub-continent: A Multi-country Cluster Randomized Controlled Trial. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004932.	1.3	21
93	Prevalence and bacterial etiology of subclinical mastitis in goats reared in organized farms. <i>Veterinary World</i> , 2018, 11, 20-24.	0.7	21
94	Insecticide susceptibility of <i>Phlebotomus argentipes</i> & assessment of vector control in two districts of West Bengal, India. <i>Indian Journal of Medical Research</i> , 2015, 142, 211.	0.4	21
95	A Systematic Review on Breast Cancer Detection Using Deep Learning Techniques. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 4599-4629.	6.0	21
96	Automatic Data Clustering Using Parameter Adaptive Harmony Search Algorithm and Its Application to Image Segmentation. <i>Journal of Intelligent Systems</i> , 2016, 25, 595-610.	1.2	19
97	Data Clustering Using Sine Cosine Algorithm. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017, , 715-726.	0.4	19
98	Effect of Harmony Search Parametersâ€™ Variation in Clustering. <i>Procedia Technology</i> , 2012, 6, 265-274.	1.1	18
99	Feasibility of a combined camp approach for vector control together with active case detection of visceral leishmaniasis, post kala-azar dermal leishmaniasis, tuberculosis, leprosy and malaria in Bangladesh, India and Nepal: an exploratory study. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2015, 109, 408-415.	0.7	17
100	Image dehazing using window-based integrated means filter. <i>Multimedia Tools and Applications</i> , 2020, 79, 34771-34793.	2.6	17
101	Impact of ASHA Training on Active Case Detection of Visceral Leishmaniasis in Bihar, India. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2774.	1.3	16
102	Micromechanical analysis of nonwoven materials with tunable out-of-plane auxetic behavior. <i>Mechanics of Materials</i> , 2019, 129, 236-245.	1.7	16
103	On The Stability Margin of Hole-Entry Hybrid Journal Bearings Considering Viscosity-Temperature Variation. <i>Tribology Transactions</i> , 2003, 46, 421-427.	1.1	15
104	Differential Search Algorithm for Multiobjective Problems. <i>Procedia Computer Science</i> , 2015, 48, 22-28.	1.2	15
105	Impact of Controlling Parameters on the Performance of MOPSO Algorithm. <i>Procedia Computer Science</i> , 2020, 167, 2132-2139.	1.2	15
106	A Comprehensive Review on Scatter Search: Techniques, Applications, and Challenges. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-21.	0.6	15
107	Non-Newtonian and thermal effects in constant flow valve compensated symmetric hole-entry hybrid journal bearing. <i>Lubrication Science</i> , 2007, 19, 269-286.	0.9	14
108	Automatic Unsupervised Feature Selection using Gravitational Search Algorithm. <i>IETE Journal of Research</i> , 2015, 61, 22-31.	1.8	14

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109	A Comprehensive Review on Deep Synergistic Drug Prediction Techniques for Cancer. Archives of Computational Methods in Engineering, 2022, 29, 1443-1461.	6.0	14
110	Coded yarn based tag for tracking textile supply chain. Journal of Manufacturing Systems, 2017, 42, 124-139.	7.6	13
111	Automatic clustering using quantum-based multi-objective emperor penguin optimizer and its applications to image segmentation. Modern Physics Letters A, 2019, 34, 1950193.	0.5	13
112	A Systematic Review on Bat Algorithm: Theoretical Foundation, Variants, and Applications. Archives of Computational Methods in Engineering, 2022, 29, 2707-2736.	6.0	13
113	Improved seven-dimensional (i7D) hyperchaotic map-based image encryption technique. Soft Computing, 2022, 26, 2689-2698.	2.1	13
114	A critical review on the absorptive glass mat (AGM) separators synergistically designed via fiber and structural parameters. Journal of Power Sources, 2019, 430, 175-192.	4.0	12
115	3D landmark-based face restoration for recognition using variational autoencoder and triplet loss. IET Biometrics, 2021, 10, 87-98.	1.6	12
116	Development of a Simple Dipstick Assay for Operational Monitoring of DDT. PLoS Neglected Tropical Diseases, 2016, 10, e0004324.	1.3	12
117	Seasonal relationship between normalized difference vegetation index and abundance of the Phlebotomus kala-azar vector in an endemic focus in Bihar, India. Geospatial Health, 2012, 7, 51.	0.3	11
118	Electron impact cross sections of vibrationally and electronically excited molecules. Physics Reports, 2014, 543, 199-244.	10.3	11
119	Entomological efficacy of durable wall lining with reduced wall surface coverage for strengthening visceral leishmaniasis vector control in Bangladesh, India and Nepal. BMC Infectious Diseases, 2016, 16, 539.	1.3	11
120	Voxel-based 3D occlusion-invariant face recognition using game theory and simulated annealing. Multimedia Tools and Applications, 2020, 79, 26517-26547.	2.6	11
121	Garment Categorization Using Data Mining Techniques. Symmetry, 2020, 12, 984.	1.1	11
122	Steganography Techniques Using Convolutional Neural Networks. Review of Computer Engineering Studies, 2020, 7, 66-73.	0.2	11
123	Insecticidal effect of plant extracts on Phlebotomus argentipes (Diptera: Psychodidae) in Bihar, India. Indian Journal of Medical Research, 2015, 142, 95.	0.4	11
124	Telehealth: a perspective approach for visceral leishmaniasis (kala-azar) control in India. Pathogens and Global Health, 2012, 106, 150-158.	1.0	10
125	Appraisal of Phlebotomus argentipes habitat suitability using a remotely sensed index in the kala-azar endemic focus of Bihar, India. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 197-204.	0.8	10
126	Performance evaluation of 2D face recognition techniques under image processing attacks. Modern Physics Letters B, 2018, 32, 1850212.	1.0	10

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127	Automatic clustering and feature selection using gravitational search algorithm and its application to microarray data analysis. <i>Neural Computing and Applications</i> , 2019, 31, 3647-3663.	3.2	10
128	A Comprehensive Survey on Grey Wolf Optimization. <i>Recent Advances in Computer Science and Communications</i> , 2022, 15, .	0.5	10
129	Impact of Distance Measures on the Performance of Clustering Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 183-190.	0.5	10
130	Oviposition behaviour of <i>Phlebotomus argentipes</i> - A laboratory-based study. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 1065-1067.	0.8	9
131	Clustering using modified harmony search algorithm. <i>International Journal of Computational Intelligence Studies</i> , 2014, 3, 113.	0.3	9
132	Optimal Choice of Parameters for Fireworks Algorithm. <i>Procedia Computer Science</i> , 2015, 70, 334-340.	1.2	9
133	Direct evidence for role of anti-saliva antibodies against salivary gland homogenate of <i>P. argentipes</i> in modulation of protective Th1-immune response against <i>Leishmania donovani</i> . <i>Cytokine</i> , 2016, 86, 79-85.	1.4	9
134	Retrospective study on mortality of goats due to alimentary system diseases in an organized farm. <i>Small Ruminant Research</i> , 2017, 149, 141-146.	0.6	9
135	Enhancing the mechanical properties of virgin and damaged jute/polypropylene hybrid nonwoven geotextiles via mild alkali treatment of jute fibers. <i>Textile Research Journal</i> , 2018, 88, 2132-2140.	1.1	9
136	Deconstructing three-dimensional (3D) structure of absorptive glass mat (AGM) separator to tailor pore dimensions and amplify electrolyte uptake. <i>Journal of Power Sources</i> , 2018, 384, 417-425.	4.0	9
137	Performance Evaluation of Modified Color Image Steganography Using Discrete Wavelet Transform. <i>Journal of Intelligent Systems</i> , 2019, 28, 749-758.	1.2	9
138	Drug Synergy Prediction Using Dynamic Mutation Based Differential Evolution. <i>Current Pharmaceutical Design</i> , 2021, 27, 1103-1111.	0.9	9
139	Current status of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection in animals & humans in India: What needs to be done?. <i>Indian Journal of Medical Research</i> , 2016, 144, 661.	0.4	9
140	Compression-recovery model of absorptive glass mat (AGM) separator guided by X-ray micro-computed tomography analysis. <i>Journal of Power Sources</i> , 2017, 365, 389-398.	4.0	8
141	Gene Expression Data Clustering Using Variance-based Harmony Search Algorithm. <i>IETE Journal of Research</i> , 2019, 65, 641-652.	1.8	8
142	Spiral-Inspired Spotted Hyena Optimizer and Its Application to Constraint Engineering Problems. <i>Wireless Personal Communications</i> , 2021, 116, 865-881.	1.8	8
143	Driver drowsiness detection using modified deep learning architecture. <i>Evolutionary Intelligence</i> , 2023, 16, 1907-1916.	2.3	8
144	Export and import of virtual water from different states of India through food grain trade. <i>Hydrology Research</i> , 2011, 42, 229-238.	1.1	7

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145	Snowball Vs. House-to-House Technique for Measuring Annual Incidence of Kala-azar in the Higher Endemic Blocks of Bihar, India: A Comparison. PLoS Neglected Tropical Diseases, 2016, 10, e0004970.	1.3	7
146	Mixed integer programming for vehicle routing problem with time windows. International Journal of Intelligent Systems Technologies and Applications, 2019, 18, 4.	0.2	7
147	Transfer Learning in 2.5D Face Image for Occlusion Presence and Gender Classification. Advances in Computational Intelligence and Robotics Book Series, 2019, , 97-113.	0.4	7
148	COV-DLS: Prediction of COVID-19 from X-Rays Using Enhanced Deep Transfer Learning Techniques. Journal of Healthcare Engineering, 2022, 2022, 1-13.	1.1	7
149	Initializing Cluster Center for K-Means Using Biogeography Based Optimization. Communications in Computer and Information Science, 2011, , 448-456.	0.4	6
150	Preliminary Observations on the Female Behavior of the Indian Sandfly Vector, Phlebotomus argentipes (Diptera: Psychodidae). Annals of the Entomological Society of America, 2012, 105, 201-205.	1.3	6
151	Repeated training of accredited social health activists (ASHAs) for improved detection of visceral leishmaniasis cases in Bihar, India. Pathogens and Global Health, 2016, 110, 33-35.	1.0	6
152	Reliable Back-up Facility in Distribution Network. Procedia Computer Science, 2017, 115, 312-321.	1.2	6
153	A conceptual comparison of NSGA-II, OMOPSO and AbYss algorithms. International Journal of Internet Technology and Secured Transactions, 2017, 7, 330.	0.3	6
154	Probing the three-dimensional porous and tortuous nature of absorptive glass mat (AGM) separators. Journal of Energy Storage, 2020, 27, 101003.	3.9	6
155	A Systematic Review on Foggy Datasets: Applications and Challenges. Archives of Computational Methods in Engineering, 2022, 29, 1727-1752.	6.0	6
156	Development of a Textile Coding Tag for the Traceability in Textile Supply Chain by Using Pattern Recognition and Robust Deep Learning. International Journal of Computational Intelligence Systems, 2019, 12, 713.	1.6	6
157	A Novel Binary Emperor Penguin Optimizer for Feature Selection Tasks. Computers, Materials and Continua, 2022, 70, 6239-6255.	1.5	6
158	Early diagnosis of COVID-19 patients using deep learning-based deep forest model. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 365-375.	1.8	6
159	Artificial intelligence techniques for prediction of drug synergy in malignant diseases: Past, present, and future. Computers in Biology and Medicine, 2022, 144, 105334.	3.9	6
160	Spatial distribution of P. argentipes in association with agricultural surrounding environment in North Bihar, India. Journal of Infection in Developing Countries, 2014, 8, 358-364.	0.5	5
161	Mites and spiders act as biological control agent to sand flies. Asian Pacific Journal of Tropical Disease, 2014, 4, S463-S466.	0.5	5
162	Spatial Distribution of Phlebotomus argentipes (Diptera: Psychodidae) in Eastern India, a Case Study Evaluating Multispatial Resolution Remotely Sensed Environmental Evidence and Microclimatic Data. Journal of Medical Entomology, 2017, 54, 844-853.	0.9	5

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163	Performance evaluation of distance metrics on Firefly Algorithm for VRP with time windows. International Journal of Information Technology (Singapore), 2021, 13, 2355-2362.	1.8	5
164	An efficient image steganography method using multiobjective differential evolution. , 2020, , 65-79.		5
165	Supply Chain Strategies for Quality Inspection under a Customer Return Policy: A Game Theoretical Approach. Entropy, 2016, 18, 440.	1.1	4
166	Modified Grey Wolf Algorithm for optimization problems. , 2016, , .		4
167	Lagrangian relaxation for the vehicle routing problem with time windows. , 2017, , .		4
168	Self-similar arrays of carbon nanotubes and nonwoven fibers with tunable surface wettability. Materials Letters, 2018, 228, 133-136.	1.3	4
169	Optimal design of absorptive glass mat (AGM) separator with fastest electrolyte uptake using X-ray micro-computed tomography. Journal of Energy Storage, 2019, 21, 505-509.	3.9	4
170	3D Facial Emotion Recognition Using Deep Learning Technique. Review of Computer Engineering Studies, 2019, 6, 64-68.	0.2	4
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