

Vijay Kumar

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4052601/vijay-kumar-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

192
papers

5,577
citations

36
h-index

69
g-index

208
ext. papers

7,844
ext. citations

3.2
avg, IF

7.36
L-index

#	Paper	IF	Citations
192	Spotted hyena optimizer: A novel bio-inspired based metaheuristic technique for engineering applications. <i>Advances in Engineering Software</i> , 2017 , 114, 48-70	3.6	456
191	A review on genetic algorithm: past, present, and future. <i>Multimedia Tools and Applications</i> , 2020 , 80, 1-36	2.5	348
190	Emperor penguin optimizer: A bio-inspired algorithm for engineering problems. <i>Knowledge-Based Systems</i> , 2018 , 159, 20-50	7.3	342
189	Seagull optimization algorithm: Theory and its applications for large-scale industrial engineering problems. <i>Knowledge-Based Systems</i> , 2019 , 165, 169-196	7.3	313
188	Analysis of long-term rainfall trends in India. <i>Hydrological Sciences Journal</i> , 2010 , 55, 484-496	3.5	304
187	Classification of COVID-19 patients from chest CT images using multi-objective differential evolution-based convolutional neural networks. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2020 , 39, 1379-1389	5.3	275
186	Classification of the COVID-19 infected patients using DenseNet201 based deep transfer learning. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 5682-5689	3.6	212
185	Analysis of rainfall and temperature trends in northeast India. <i>International Journal of Climatology</i> , 2013 , 33, 968-978	3.5	191
184	Multi-objective spotted hyena optimizer: A Multi-objective optimization algorithm for engineering problems. <i>Knowledge-Based Systems</i> , 2018 , 150, 175-197	7.3	138
183	Automated Deep Transfer Learning-Based Approach for Detection of COVID-19 Infection in Chest X-rays. <i>Irbm</i> , 2020 ,	4.8	88
182	Trends in rainfall amount and number of rainy days in river basins of India (1951-2004) 2011 , 42, 290-306		77
181	Parameter adaptive harmony search algorithm for unimodal and multimodal optimization problems. <i>Journal of Computational Science</i> , 2014 , 5, 144-155	3.4	67
180	A novel algorithm for global optimization: Rat Swarm Optimizer. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2021 , 12, 8457-8482	3.7	66
179	DDT-based indoor residual spraying suboptimal for visceral leishmaniasis elimination in India. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8573-8	11.5	65
178	A Comprehensive Review on Image Encryption Techniques. <i>Archives of Computational Methods in Engineering</i> , 2020 , 27, 15-43	7.8	61
177	Spatial and temporal variation and hotspot detection of kala-azar disease in Vaishali district (Bihar), India. <i>BMC Infectious Diseases</i> , 2013 , 13, 64	4	59
176	Single image dehazing using gradient channel prior. <i>Applied Intelligence</i> , 2019 , 49, 4276-4293	4.9	52

175	Automatic cluster evolution using gravitational search algorithm and its application on image segmentation. <i>Engineering Applications of Artificial Intelligence</i> , 2014 , 29, 93-103	7.2	51
174	Deep Neural Network-Based Screening Model for COVID-19-Infected Patients Using Chest X-Ray Images. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2021 , 35, 2151004	1.1	49
173	An astrophysics-inspired Grey wolf algorithm for numerical optimization and its application to engineering design problems. <i>Advances in Engineering Software</i> , 2017 , 112, 231-254	3.6	48
172	Rapid COVID-19 diagnosis using ensemble deep transfer learning models from chest radiographic images. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 1-13	3.7	48
171	Efficient image encryption method based on improved Lorenz chaotic system. <i>Electronics Letters</i> , 2018 , 54, 562-564	1.1	48
170	BOSA: Binary Orientation Search Algorithm. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2019 , 9, 5306-5310	1.6	47
169	Color image dehazing using gradient channel prior and guided L0 filter. <i>Information Sciences</i> , 2020 , 521, 326-342	7.7	46
168	Single image haze removal using integrated dark and bright channel prior. <i>Modern Physics Letters B</i> , 2018 , 32, 1850051	1.6	43
167	A Comprehensive Review of Computational Dehazing Techniques. <i>Archives of Computational Methods in Engineering</i> , 2019 , 26, 1395-1413	7.8	43
166	Densely connected convolutional networks-based COVID-19 screening model. <i>Applied Intelligence</i> , 2021 , 51, 1-8	4.9	43
165	Spotted Hyena Optimizer for Solving Complex and Non-linear Constrained Engineering Problems. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 857-867	0.4	41
164	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	4.9	40
163	Color image encryption using minimax differential evolution-based 7D hyper-chaotic map. <i>Applied Physics B: Lasers and Optics</i> , 2020 , 126, 1	1.9	40
162	Metaheuristic-based Deep COVID-19 Screening Model from Chest X-Ray Images. <i>Journal of Healthcare Engineering</i> , 2021 , 2021, 8829829	3.7	39
161	Comprehensive survey on haze removal techniques. <i>Multimedia Tools and Applications</i> , 2018 , 77, 9595-9629	6.2	38
160	Dehazing of remote sensing images using improved restoration model based dark channel prior. <i>Imaging Science Journal</i> , 2017 , 65, 282-292	0.9	37
159	A RGB image encryption technique using Lorenz and Rossler chaotic system on DNA sequences. <i>Multimedia Tools and Applications</i> , 2018 , 77, 27017-27039	2.5	37
158	Modified gain intervention filter based dehazing technique. <i>Journal of Modern Optics</i> , 2017 , 64, 2165-2178	1.8	36

157	Performance evaluation of DWT based image steganography 2010 ,		36
156	Grey Wolf Algorithm-Based Clustering Technique. <i>Journal of Intelligent Systems</i> , 2017 , 26, 153-168	1.5	35
155	Adaptive Differential Evolution-Based Lorenz Chaotic System for Image Encryption. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 8127-8144	2.5	35
154	Manifestation of the Gouy phase in vector-vortex beams. <i>Optics Letters</i> , 2012 , 37, 2667-9	3	34
153	Dehazing of remote sensing images using fourth-order partial differential equations based trilateral filter. <i>IET Computer Vision</i> , 2018 , 12, 208-219	1.4	33
152	Dehazing of outdoor images using notch based integral guided filter. <i>Multimedia Tools and Applications</i> , 2018 , 77, 27363-27386	2.5	33
151	Color image encryption approach based on memetic differential evolution. <i>Neural Computing and Applications</i> , 2019 , 31, 7975-7987	4.8	33
150	Secure and Energy Efficient-Based E-Health Care Framework for Green Internet of Things. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 1223-1231	4	33
149	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	2	32
148	A novel dehazing model for remote sensing images. <i>Computers and Electrical Engineering</i> , 2018 , 69, 14-27.3	2.3	32
147	Image dehazing using Moore neighborhood-based gradient profile prior. <i>Signal Processing: Image Communication</i> , 2019 , 70, 131-144	2.8	31
146	Astrophysics inspired multi-objective approach for automatic clustering and feature selection in real-life environment. <i>Modern Physics Letters B</i> , 2018 , 32, 1850385	1.6	31
145	A modified DWT-based image steganography technique. <i>Multimedia Tools and Applications</i> , 2018 , 77, 13279-13308	2.5	30
144	Colour image encryption technique using differential evolution in non-subsampled contourlet transform domain. <i>IET Image Processing</i> , 2018 , 12, 1273-1283	1.7	30
143	Electron-impact cross sections for deuterated hydrogen and deuterium molecules. <i>Reports on Progress in Physics</i> , 2010 , 73, 116401	14.4	29
142	Fourier Mellin moment-based intertwining map for image encryption. <i>Modern Physics Letters B</i> , 2018 , 32, 1850115	1.6	28
141	Defogging of road images using gain coefficient-based trilateral filter. <i>Journal of Electronic Imaging</i> , 2018 , 27, 1	0.7	27
140	Effect of E-learning on public health and environment during COVID-19 lockdown. <i>Big Data Mining and Analytics</i> , 2021 , 4, 104-115	4.3	27

139	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	4.8	27
138	Screening of COVID-19 Suspected Subjects Using Multi-Crossover Genetic Algorithm Based Dense Convolutional Neural Network. <i>IEEE Access</i> , 2021 , 9, 142566-142580	3.5	26
137	Binary spotted hyena optimizer and its application to feature selection. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020 , 11, 2625-2645	3.7	25
136	Comprehensive survey of 3D image steganography techniques. <i>IET Image Processing</i> , 2018 , 12, 1-10	1.7	24
135	Parallel non-dominated sorting genetic algorithm-II-based image encryption technique. <i>Imaging Science Journal</i> , 2018 , 66, 453-462	0.9	23
134	A comparative analysis of optimization solvers. <i>Journal of Statistics and Management Systems</i> , 2017 , 20, 623-635	0.9	22
133	Knockdown resistance mutations predict DDT resistance and pyrethroid tolerance in the visceral leishmaniasis vector <i>Phlebotomus argentipes</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005504	4.8	22
132	Overview of current state of research on the application of artificial intelligence techniques for COVID-19. <i>PeerJ Computer Science</i> , 2021 , 7, e564	2.7	22
131	Binary whale optimization algorithm and its application to unit commitment problem. <i>Neural Computing and Applications</i> , 2020 , 32, 2095-2123	4.8	22
130	Single image defogging by gain gradient image filter. <i>Science China Information Sciences</i> , 2019 , 62, 1	3.4	21
129	A Systematic Review on Firefly Algorithm: Past, Present, and Future. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 3269-3291	7.8	21
128	2019 ,		21
127	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	3.1	20
126	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, 609-20	2.6	20
125	Kala-azar elimination in a highly-endemic district of Bihar, India: A success story. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008254	4.8	18
124	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	4	18
123	Designing superhydrophobic disordered arrays of fibers with hierarchical roughness and low-surface-energy. <i>Applied Surface Science</i> , 2016 , 389, 469-476	6.7	18
122	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	4.8	18

121	Statistical analysis of use-phase energy consumption of textile products. <i>International Journal of Life Cycle Assessment</i> , 2016 , 21, 1776-1788	4.6	18
120	VARIANCE-BASED HARMONY SEARCH ALGORITHM FOR UNIMODAL AND MULTIMODAL OPTIMIZATION PROBLEMS WITH APPLICATION TO CLUSTERING. <i>Cybernetics and Systems</i> , 2014 , 45, 486-511	1.9	17
119	Football Game Based Optimization: an Application to Solve Energy Commitment Problem. <i>International Journal of Intelligent Engineering and Systems</i> , 2020 , 13, 514-523	1.6	17
118	A fully yarn integrated tag for tracking the international textile supply chain. <i>Journal of Manufacturing Systems</i> , 2016 , 40, 76-86	9.1	17
117	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	1.7	16
116	A 2D logistic map and Lorenz-Rossler chaotic system based RGB image encryption approach. <i>Multimedia Tools and Applications</i> , 2021 , 80, 3749-3773	2.5	16
115	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	2.5	15
114	Digital Image Steganography Based on Combination of DCT and DWT. <i>Communications in Computer and Information Science</i> , 2010 , 596-601	0.3	15
113	On The Stability Margin of Hole-Entry Hybrid Journal Bearings Considering Viscosity-Temperature Variation. <i>Tribology Transactions</i> , 2003 , 46, 421-427	1.8	15
112	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, 211-5	2.9	15
111	Impact of ASHA training on active case detection of visceral leishmaniasis in Bihar, India. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2774	4.8	14
110	Non-Newtonian and thermal effects in constant flow valve compensated symmetric hole-entry hybrid journal bearing. <i>Lubrication Science</i> , 2007 , 19, 269-286	1.3	14
109	Data Clustering Using Sine Cosine Algorithm. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 715-726	0.4	14
108	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	1.5	14
107	Effect of COVID-19 outbreak on urban health and environment. <i>Air Quality, Atmosphere and Health</i> , 2020 , 14, 1-9	5.6	14
106	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, 408-15	2	13
105	Automatic Unsupervised Feature Selection using Gravitational Search Algorithm. <i>IETE Journal of Research</i> , 2015 , 61, 22-31	0.9	13
104	A Systematic Review on Harmony Search Algorithm: Theory, Literature, and Applications. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-22	1.1	13

103	Differential Search Algorithm for Multiobjective Problems. <i>Procedia Computer Science</i> , 2015 , 48, 22-28	1.6	12
102	A novel grayscale image encryption approach based on chaotic maps and image blocks. <i>Applied Physics B: Lasers and Optics</i> , 2021 , 127, 1	1.9	12
101	Prevalence and bacterial etiology of subclinical mastitis in goats reared in organized farms. <i>Veterinary World</i> , 2018 , 11, 20-24	1.7	12
100	Coded yarn based tag for tracking textile supply chain. <i>Journal of Manufacturing Systems</i> , 2017 , 42, 124-139	1.39	11
99	Effect of Harmony Search Parameters Variation in Clustering. <i>Procedia Technology</i> , 2012 , 6, 265-274		11
98	Micromechanical analysis of nonwoven materials with tunable out-of-plane auxetic behavior. <i>Mechanics of Materials</i> , 2019 , 129, 236-245	3.3	11
97	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	3.7	11
96	Evaluating the Impact of COVID-19 on Society, Environment, Economy, and Education. <i>Sustainability</i> , 2021 , 13, 13642	3.6	11
95	Entomological efficacy of durable wall lining with reduced wall surface coverage for strengthening visceral leishmaniasis vector control in Bangladesh, India and Nepal. <i>BMC Infectious Diseases</i> , 2016 , 16, 539	4	10
94	Seasonal relationship between normalized difference vegetation index and abundance of the <i>Phlebotomus kala-azar</i> vector in an endemic focus in Bihar, India. <i>Geospatial Health</i> , 2012 , 7, 51-62	2.2	10
93	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	8.1	10
92	Performance evaluation of 2D face recognition techniques under image processing attacks. <i>Modern Physics Letters B</i> , 2018 , 32, 1850212	1.6	9
91	Role of inhibitors of serine peptidases in protecting <i>Leishmania donovani</i> against the hydrolytic peptidases of sand fly midgut. <i>Parasites and Vectors</i> , 2017 , 10, 303	4	9
90	Image dehazing using window-based integrated means filter. <i>Multimedia Tools and Applications</i> , 2020 , 79, 34771-34793	2.5	9
89	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	3	9
88	Appraisal of <i>Phlebotomus argentipes</i> habitat suitability using a remotely sensed index in the kala-azar endemic focus of Bihar, India. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013 , 108, 197-204	2.6	8
87	Telehealth: a perspective approach for visceral leishmaniasis (kala-azar) control in India. <i>Pathogens and Global Health</i> , 2012 , 106, 150-8	3.1	8
86	Insecticidal effect of plant extracts on <i>Phlebotomus argentipes</i> (Diptera: Psychodidae) in Bihar, India. <i>Indian Journal of Medical Research</i> , 2015 , 142 Suppl, S95-S100	2.9	8

85	Direct evidence for role of anti-saliva antibodies against salivary gland homogenate of P. argentipes in modulation of protective Th1-immune response against Leishmania donovani. <i>Cytokine</i> , 2016 , 86, 79-85	4	8
84	Impact of Controlling Parameters on the Performance of MOPSO Algorithm. <i>Procedia Computer Science</i> , 2020 , 167, 2132-2139	1.6	8
83	A critical review on the absorptive glass mat (AGM) separators synergistically designed via fiber and structural parameters. <i>Journal of Power Sources</i> , 2019 , 430, 175-192	8.9	7
82	Enhancing the mechanical properties of virgin and damaged jute/polypropylene hybrid nonwoven geotextiles via mild alkali treatment of jute fibers. <i>Textile Reseach Journal</i> , 2018 , 88, 2132-2140	1.7	7
81	Electron impact cross sections of vibrationally and electronically excited molecules. <i>Physics Reports</i> , 2014 , 543, 199-244	27.7	7
80	Clustering using modified harmony search algorithm. <i>International Journal of Computational Intelligence Studies</i> , 2014 , 3, 113	0.7	7
79	Optimal Choice of Parameters for Fireworks Algorithm. <i>Procedia Computer Science</i> , 2015 , 70, 334-340	1.6	7
78	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	8.9	7
77	Development of a Simple Dipstick Assay for Operational Monitoring of DDT. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004324	4.8	7
76	Impact of Distance Measures on the Performance of Clustering Algorithms. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 183-190	0.4	7
75	Snowball Vs. House-to-House Technique for Measuring Annual Incidence of Kala-azar in the Higher Endemic Blocks of Bihar, India: A Comparison. <i>PLoS Neglected Tropical Diseases</i> , 2016 , 10, e0004970	4.8	7
74	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	8.9	6
73	Automatic clustering using quantum-based multi-objective emperor penguin optimizer and its applications to image segmentation. <i>Modern Physics Letters A</i> , 2019 , 34, 1950193	1.3	6
72	Reliable Back-up Facility in Distribution Network. <i>Procedia Computer Science</i> , 2017 , 115, 312-321	1.6	6
71	Current status of subspecies infection in animals & humans in India: What needs to be done?. <i>Indian Journal of Medical Research</i> , 2016 , 144, 661-671	2.9	6
70	3D landmark-based face restoration for recognition using variational autoencoder and triplet loss. <i>IET Biometrics</i> , 2021 , 10, 87-98	2.9	6
69	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	4.8	6
68	Spiral-Inspired Spotted Hyena Optimizer and Its Application to Constraint Engineering Problems. <i>Wireless Personal Communications</i> , 2021 , 116, 865-881	1.9	6

67	A Novel Binary Seagull Optimizer and its Application to Feature Selection Problem. <i>IEEE Access</i> , 2021 , 9, 103481-103496	3.5	6
66	Classification of White blood cell using Convolution Neural Network. <i>Biomedical Signal Processing and Control</i> , 2022 , 71, 103156	4.9	6
65	Spatial Distribution of Phlebotomus argentipes (Diptera: Psychodidae) in Eastern India, a Case Study Evaluating Multispatial Resolution Remotely Sensed Environmental Evidence and Microclimatic Data. <i>Journal of Medical Entomology</i> , 2017 , 54, 844-853	2.2	5
64	Export and import of virtual water from different states of India through food grain trade 2011 , 42, 229-238		5
63	Preliminary Observations on the Female Behavior of the Indian Sandfly Vector, Phlebotomus argentipes (Diptera: Psychodidae). <i>Annals of the Entomological Society of America</i> , 2012 , 105, 201-205	2	5
62	Steganography Techniques Using Convolutional Neural Networks 2020 , 7, 66-73		5
61	A Comprehensive Survey on Grey Wolf Optimization. <i>Recent Advances in Computer Science and Communications</i> , 2020 , 13,	0.6	5
60	Drug Synergy Prediction Using Dynamic Mutation Based Differential Evolution. <i>Current Pharmaceutical Design</i> , 2021 , 27, 1103-1111	3.3	5
59	Repeated training of accredited social health activists (ASHAs) for improved detection of visceral leishmaniasis cases in Bihar, India. <i>Pathogens and Global Health</i> , 2016 , 110, 33-5	3.1	5
58	Performance Evaluation of Modified Color Image Steganography Using Discrete Wavelet Transform. <i>Journal of Intelligent Systems</i> , 2019 , 28, 749-758	1.5	5
57	Retrospective study on mortality of goats due to alimentary system diseases in an organized farm. <i>Small Ruminant Research</i> , 2017 , 149, 141-146	1.7	4
56	A conceptual comparison of NSGA-II, OMOPSO and AbYss algorithms. <i>International Journal of Internet Technology and Secured Transactions</i> , 2017 , 7, 330	0.6	4
55	Lagrangian relaxation for the vehicle routing problem with time windows 2017 ,		4
54	Spatial distribution of P. argentipes in association with agricultural surrounding environment in North Bihar, India. <i>Journal of Infection in Developing Countries</i> , 2014 , 8, 358-64	2.3	4
53	Oviposition behaviour of Phlebotomus argentipes--a laboratory-based study. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013 , 108, 1065-7	2.6	4
52	Transfer Learning in 2.5D Face Image for Occlusion Presence and Gender Classification. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2019 , 97-113	0.4	4
51	Probing the three-dimensional porous and tortuous nature of absorptive glass mat (AGM) separators. <i>Journal of Energy Storage</i> , 2020 , 27, 101003	7.8	4
50	Modified Grey Wolf Algorithm for optimization problems 2016 ,		4

49	Gene Expression Data Clustering Using Variance-based Harmony Search Algorithm. <i>IETE Journal of Research</i> , 2019 , 65, 641-652	0.9	4
48	Self-similar arrays of carbon nanotubes and nonwoven fibers with tunable surface wettability. <i>Materials Letters</i> , 2018 , 228, 133-136	3.3	4
47	Mites and spiders act as biological control agent to sand flies. <i>Asian Pacific Journal of Tropical Disease</i> , 2014 , 4, S463-S466		3
46	Initializing Cluster Center for K-Means Using Biogeography Based Optimization. <i>Communications in Computer and Information Science</i> , 2011 , 448-456	0.3	3
45	Voxel-based 3D occlusion-invariant face recognition using game theory and simulated annealing. <i>Multimedia Tools and Applications</i> , 2020 , 79, 26517-26547	2.5	3
44	A Comprehensive Review on Scatter Search: Techniques, Applications, and Challenges. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-21	1.1	3
43	A Comprehensive Review on Deep Synergistic Drug Prediction Techniques for Cancer. <i>Archives of Computational Methods in Engineering</i> , 1	7.8	3
42	Performance evaluation of distance metrics on Firefly Algorithm for VRP with time windows. <i>International Journal of Information Technology (Singapore)</i> , 2019 , 1	1.4	3
41	Single Image Defogging using Deep Learning Techniques: Past, Present and Future. <i>Archives of Computational Methods in Engineering</i> , 1	7.8	3
40	Spoken Language Identification Using Deep Learning. <i>Computational Intelligence and Neuroscience</i> , 2021 , 2021, 5123671	3	3
39	Mixed integer programming for vehicle routing problem with time windows. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2019 , 18, 4	0.5	2
38	Garment Categorization Using Data Mining Techniques. <i>Symmetry</i> , 2020 , 12, 984	2.7	2
37	Early diagnosis of COVID-19 patients using deep learning-based deep forest model. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 1-11	2	2
36	A Systematic Review on Bat Algorithm: Theoretical Foundation, Variants, and Applications. <i>Archives of Computational Methods in Engineering</i> , 1	7.8	2
35	An efficient image steganography method using multiobjective differential evolution 2020 , 65-79		2
34	Supply Chain Strategies for Quality Inspection under a Customer Return Policy: A Game Theoretical Approach. <i>Entropy</i> , 2016 , 18, 440	2.8	2
33	Optimal design of absorptive glass mat (AGM) separator with fastest electrolyte uptake using X-ray micro-computed tomography. <i>Journal of Energy Storage</i> , 2019 , 21, 505-509	7.8	2
32	An Improved Firefly Algorithm for the Vehicle Routing Problem with Time Windows 2018 ,		2

31	COV-DLS: Prediction of COVID-19 from X-Rays Using Enhanced Deep Transfer Learning Techniques.. <i>Journal of Healthcare Engineering</i> , 2022 , 2022, 6216273	3.7	2
30	Driver drowsiness detection using modified deep learning architecture. <i>Evolutionary Intelligence</i> ,	1.7	2
29	Performance Evaluation of Line Symmetry-Based Validity Indices on Clustering Algorithms. <i>Journal of Intelligent Systems</i> , 2017 , 26, 483-503	1.5	1
28	Reliable Distribution Network Design with Link Disruption Using Cross Decomposition. <i>Procedia Computer Science</i> , 2018 , 125, 654-661	1.6	1
27	Firefly algorithm for reliable protection in distribution networks 2017 ,		1
26	Studying DDT Susceptibility at Discriminating Time Intervals Focusing on Maximum Limit of Exposure Time Survived by DDT Resistant <i>Phlebotomus argentipes</i> (Diptera: Psychodidae): an Investigative Report. <i>Japanese Journal of Infectious Diseases</i> , 2017 , 70, 437-441	2.7	1
25	Self synchronization based air traffic control and collision avoidance system 2011 ,		1
24	3D Face Reconstruction in Deep Learning Era: A Survey.. <i>Archives of Computational Methods in Engineering</i> , 2022 , 1-33	7.8	1
23	Automatic MRI Brain Image Segmentation Using Gravitational Search-Based Clustering Technique. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2014 , 313-326	0.4	1
22	A novel astrophysics-based framework for prediction of binding affinity of glucose binder. <i>Modern Physics Letters B</i> , 2020 , 34, 2050346	1.6	1
21	An automated parameter selection approach for simultaneous clustering and feature selection. <i>Journal of Engineering Research</i> , 2016 , 4,	2	1
20	Lagrangian relaxation for distribution networks with cross-docking centre. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2019 , 18, 52	0.5	1
19	Impact of Metaheuristic Techniques in Pandemic of COVID-19. <i>Coronaviruses</i> , 2021 , 2,	1.5	1
18	A Systematic Review on Foggy Datasets: Applications and Challenges. <i>Archives of Computational Methods in Engineering</i> ,1	7.8	1
17	DGCNN: deep convolutional generative adversarial network based convolutional neural network for diagnosis of COVID-19.. <i>Multimedia Tools and Applications</i> , 2022 , 1-18	2.5	1
16	A Systematic Review on Breast Cancer Detection Using Deep Learning Techniques. <i>Archives of Computational Methods in Engineering</i> ,1	7.8	1
15	Adoption of health technologies among goat farmers in different agro-climatic zones of Bihar. <i>Journal of Applied Animal Research</i> , 2015 , 43, 46-51	1.7	0
14	Journal Motion Simulation of Hybrid Journal Bearing Considering Viscosity Variation Due to Temperature Change 2005 , 215		0

13	Improved seven-dimensional (i7D) hyperchaotic map-based image encryption technique. <i>Soft Computing</i> , 2022 , 26, 2689	3.5	○
12	A conceptual comparison of metaheuristic algorithms and applications to engineering design problems. <i>International Journal of Intelligent Information and Database Systems</i> , 2020 , 13, 278	0.3	○
11	Computational Intelligence Tools for Protein Modeling. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 949-956	0.4	○
10	Seasonal alterations in plasma cortisol in peripartum Murrah buffaloes (<i>Bubalus bubalis</i>) as assayed by a sensitive enzymeimmunoassay in subtropical climate. <i>Biological Rhythm Research</i> , 2020 , 51, 194-203	0.8	○
9	Highly luminescent CdS nanoparticles synthesized using microwave irradiation of Dithiocarbazate ligand as a single molecular precursor source. <i>Journal of the Australian Ceramic Society</i> , 2021 , 57, 697	1.5	○
8	Performance Evaluation of Machine Learning Based Face Recognition Techniques. <i>Wireless Personal Communications</i> , 2021 , 118, 3403-3433	1.9	○
7	Improved seven-dimensional (i7D) hyperchaotic map-based image encryption technique. <i>Soft Computing</i> , 2022 , 26, 3703-3712	3.5	○
6	DeepHumor: a novel deep learning framework for humor detection. <i>Multimedia Tools and Applications</i> , 1	2.5	○
5	Artificial intelligence techniques for prediction of drug synergy in malignant diseases: Past, present, and future.. <i>Computers in Biology and Medicine</i> , 2022 , 144, 105334	7	○
4	Artificial Intelligence-Based Cyber-Physical System for Severity Classification of Chikungunya Disease. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2022 , 10, 1-9	3	○
3	Automatic MRI Brain Image Segmentation Using Gravitational Search-Based Clustering Technique 2017 , 115-130		
2	Improving the Performance of Color Image Watermarking Using Contourlet Transform. <i>Communications in Computer and Information Science</i> , 2011 , 256-264	0.3	
1	Design a synthetic glucose receptor using computational intelligence approach. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 103, 107797	2.8	