Vijay Kumar

List of Publications by Year in Descending Order

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	Improved seven-dimensional (i7D) hyperchaotic map-based image encryption technique. *Soft Computing*, **2022**, 26, 2689	3.5	0
191	3D Face Reconstruction in Deep Learning Era: A Survey.. *Archives of Computational Methods in Engineering*, **2022**, 1-33	7.8	1
190	Classification of White blood cell using Convolution Neural Network. *Biomedical Signal Processing and Control*, **2022**, 71, 103156	4.9	6
189	Evolving Fusion-Based Visibility Restoration Model for Hazy Remote Sensing Images Using Dynamic Differential Evolution. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 60, 1-14	8.1	10
188	Improved seven-dimensional (i7D) hyperchaotic map-based image encryption technique. *Soft Computing*, **2022**, 26, 3703-3712	3.5	0
187	DGCNN: deep convolutional generative adversarial network based convolutional neural network for diagnosis of COVID-19.. *Multimedia Tools and Applications*, **2022**, 1-18	2.5	1
186	Artificial intelligence techniques for prediction of drug synergy in malignant diseases: Past, present, and future.. *Computers in Biology and Medicine*, **2022**, 144, 105334	7	0
185	COV-DLS: Prediction of COVID-19 from X-Rays Using Enhanced Deep Transfer Learning Techniques.. *Journal of Healthcare Engineering*, **2022**, 2022, 6216273	3.7	2
184	Artificial Intelligence-Based Cyber-Physical System for Severity Classification of Chikungunya Disease. *IEEE Journal of Translational Engineering in Health and Medicine*, **2022**, 10, 1-9	3	0
183	Classification of the COVID-19 infected patients using DenseNet201 based deep transfer learning. *Journal of Biomolecular Structure and Dynamics*, **2021**, 39, 5682-5689	3.6	212
182	Screening of COVID-19 Suspected Subjects Using Multi-Crossover Genetic Algorithm Based Dense Convolutional Neural Network. *IEEE Access*, **2021**, 9, 142566-142580	3.5	26
181	A 2D logistic map and Lorenz-Rossler chaotic system based RGB image encryption approach. *Multimedia Tools and Applications*, **2021**, 80, 3749-3773	2.5	16
180	A Systematic Review on Firefly Algorithm: Past, Present, and Future. *Archives of Computational Methods in Engineering*, **2021**, 28, 3269-3291	7.8	21
179	3D landmark-based face restoration for recognition using variational autoencoder and triplet loss. *IET Biometrics*, **2021**, 10, 87-98	2.9	6
178	Metaheuristic-based Deep COVID-19 Screening Model from Chest X-Ray Images. *Journal of Healthcare Engineering*, **2021**, 2021, 8829829	3.7	39
177	Drug Synergy Prediction Using Dynamic Mutation Based Differential Evolution. *Current Pharmaceutical Design*, **2021**, 27, 1103-1111	3.3	5
176	A Systematic Review on Harmony Search Algorithm: Theory, Literature, and Applications. *Mathematical Problems in Engineering*, **2021**, 2021, 1-22	1.1	13

175	Overview of current state of research on the application of artificial intelligence techniques for COVID-19. *PeerJ Computer Science*, **2021**, 7, e564	2.7	22
174	A Comprehensive Review on Scatter Search: Techniques, Applications, and Challenges. *Mathematical Problems in Engineering*, **2021**, 2021, 1-21	1.1	3
173	Effect of E-learning on public health and environment during COVID-19 lockdown. *Big Data Mining and Analytics*, **2021**, 4, 104-115	4.3	27
172	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	1.1	49
171	A novel algorithm for global optimization: Rat Swarm Optimizer. *Journal of Ambient Intelligence and Humanized Computing*, **2021**, 12, 8457-8482	3.7	66
170	Design a synthetic glucose receptor using computational intelligence approach. *Journal of Molecular Graphics and Modelling*, **2021**, 103, 107797	2.8	
169	Spiral-Inspired Spotted Hyena Optimizer and Its Application to Constraint Engineering Problems. *Wireless Personal Communications*, **2021**, 116, 865-881	1.9	6
168	A Novel Binary Seagull Optimizer and its Application to Feature Selection Problem. *IEEE Access*, **2021**, 9, 103481-103496	3.5	6
167	A novel grayscale image encryption approach based on chaotic maps and image blocks. *Applied Physics B: Lasers and Optics*, **2021**, 127, 1	1.9	12
166	Highly luminescent CdS nanoparticles synthesized using microwave irradiation of Dithiocarbazate ligand as a single molecular precursor source. *Journal of the Australian Ceramic Society*, **2021**, 57, 697	1.5	0
165	Densely connected convolutional networks-based COVID-19 screening model. *Applied Intelligence*, **2021**, 51, 1-8	4.9	43
164	Performance Evaluation of Machine Learning Based Face Recognition Techniques. *Wireless Personal Communications*, **2021**, 118, 3403-3433	1.9	0
163	Impact of Metaheuristic Techniques in Pandemic of COVID-19. *Coronaviruses*, **2021**, 2,	1.5	1
162	Spoken Language Identification Using Deep Learning. *Computational Intelligence and Neuroscience*, **2021**, 2021, 5123671	3	3
161	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	4	33
160	Evaluating the Impact of COVID-19 on Society, Environment, Economy, and Education. *Sustainability*, **2021**, 13, 13642	3.6	11
159	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	5.3	275
158	Kala-azar elimination in a highly-endemic district of Bihar, India: A success story. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008254	4.8	18

157	Garment Categorization Using Data Mining Techniques. *Symmetry*, **2020**, 12, 984	2.7	2
156	Automated Deep Transfer Learning-Based Approach for Detection of COVID-19 Infection in Chest X-rays. *Irbm*, **2020**,	4.8	88
155	Voxel-based 3D face reconstruction and its application to face recognition using sequential deep learning. *Multimedia Tools and Applications*, **2020**, 79, 17303-17330	2.5	15
154	Color image dehazing using gradient channel prior and guided L0 filter. *Information Sciences*, **2020**, 521, 326-342	7.7	46
153	Steganography Techniques Using Convolutional Neural Networks **2020**, 7, 66-73		5
152	A Comprehensive Survey on Grey Wolf Optimization. *Recent Advances in Computer Science and Communications*, **2020**, 13,	0.6	5
151	Football Game Based Optimization: an Application to Solve Energy Commitment Problem. *International Journal of Intelligent Engineering and Systems*, **2020**, 13, 514-523	1.6	17
150	Image dehazing using window-based integrated means filter. *Multimedia Tools and Applications*, **2020**, 79, 34771-34793	2.5	9
149	Probing the three-dimensional porous and tortuous nature of absorptive glass mat (AGM) separators. *Journal of Energy Storage*, **2020**, 27, 101003	7.8	4
148	Voxel-based 3D occlusion-invariant face recognition using game theory and simulated annealing. *Multimedia Tools and Applications*, **2020**, 79, 26517-26547	2.5	3
147	An efficient image steganography method using multiobjective differential evolution **2020**, 65-79		2
146	Rapid COVID-19 diagnosis using ensemble deep transfer learning models from chest radiographic images. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 1-13	3.7	48
145	A novel astrophysics-based framework for prediction of binding affinity of glucose binder. *Modern Physics Letters B*, **2020**, 34, 2050346	1.6	1
144	Color image encryption using minimax differential evolution-based 7D hyper-chaotic map. *Applied Physics B: Lasers and Optics*, **2020**, 126, 1	1.9	40
143	A conceptual comparison of metaheuristic algorithms and applications to engineering design problems. *International Journal of Intelligent Information and Database Systems*, **2020**, 13, 278	0.3	0
142	A Comprehensive Review on Image Encryption Techniques. *Archives of Computational Methods in Engineering*, **2020**, 27, 15-43	7.8	61
141	Seasonal alterations in plasma cortisol in peripartum Murrah buffaloes (Bubalus bubalis) as assayed by a sensitive enzymeimmunoassay in subtropical climate. *Biological Rhythm Research*, **2020**, 51, 194-203	0.8	0
140	Binary whale optimization algorithm and its application to unit commitment problem. *Neural Computing and Applications*, **2020**, 32, 2095-2123	4.8	22

139	Binary spotted hyena optimizer and its application to feature selection. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 2625-2645	3.7	25
138	Enhanced photocatalytic activity of low cost synthesized Al doped amorphous ZnO/ ZnS heterostructures. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 117, 113792	3	9
137	Impact of Controlling Parameters on the Performance of MOPSO Algorithm. *Procedia Computer Science*, **2020**, 167, 2132-2139	1.6	8
136	Effect of COVID-19 outbreak on urban health and environment. *Air Quality, Atmosphere and Health*, **2020**, 14, 1-9	5.6	14
135	A review on genetic algorithm: past, present, and future. *Multimedia Tools and Applications*, **2020**, 80, 1-36	2.5	348
134	Single image defogging by gain gradient image filter. *Science China Information Sciences*, **2019**, 62, 1	3.4	21
133	KnRVEA: A hybrid evolutionary algorithm based on knee points and reference vector adaptation strategies for many-objective optimization. *Applied Intelligence*, **2019**, 49, 2434-2460	4.9	40
132	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	8.9	7
131	Single image dehazing using gradient channel prior. *Applied Intelligence*, **2019**, 49, 4276-4293	4.9	52
130	Mixed integer programming for vehicle routing problem with time windows. *International Journal of Intelligent Systems Technologies and Applications*, **2019**, 18, 4	0.5	2
129	Spotted Hyena Optimizer for Solving Complex and Non-linear Constrained Engineering Problems. *Advances in Intelligent Systems and Computing*, **2019**, 857-867	0.4	41
128	Color image encryption approach based on memetic differential evolution. *Neural Computing and Applications*, **2019**, 31, 7975-7987	4.8	33
127	Automatic clustering using quantum-based multi-objective emperor penguin optimizer and its applications to image segmentation. *Modern Physics Letters A*, **2019**, 34, 1950193	1.3	6
126	BOSA: Binary Orientation Search Algorithm. *International Journal of Innovative Technology and Exploring Engineering*, **2019**, 9, 5306-5310	1.6	47
125	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	4
124	Lagrangian relaxation for distribution networks with cross-docking centre. *International Journal of Intelligent Systems Technologies and Applications*, **2019**, 18, 52	0.5	1
123	**2019**,		21
122	Performance evaluation of distance metrics on Firefly Algorithm for VRP with time windows. *International Journal of Information Technology (Singapore)*, **2019**, 1	1.4	3

121	A Comprehensive Review of Computational Dehazing Techniques. *Archives of Computational Methods in Engineering*, **2019**, 26, 1395-1413	7.8	43
120	Computational Intelligence Tools for Protein Modeling. *Advances in Intelligent Systems and Computing*, **2019**, 949-956	0.4	0
119	Micromechanical analysis of nonwoven materials with tunable out-of-plane auxetic behavior. *Mechanics of Materials*, **2019**, 129, 236-245	3.3	11
118	Seagull optimization algorithm: Theory and its applications for large-scale industrial engineering problems. *Knowledge-Based Systems*, **2019**, 165, 169-196	7.3	313
117	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	7.8	2
116	A reversible and affine invariant 3D data hiding technique based on difference shifting and logistic map. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 10, 4947-4961	3.7	11
115	Image dehazing using Moore neighborhood-based gradient profile prior. *Signal Processing: Image Communication*, **2019**, 70, 131-144	2.8	31
114	Performance Evaluation of Modified Color Image Steganography Using Discrete Wavelet Transform. *Journal of Intelligent Systems*, **2019**, 28, 749-758	1.5	5
113	Gene Expression Data Clustering Using Variance-based Harmony Search Algorithm. *IETE Journal of Research*, **2019**, 65, 641-652	0.9	4
112	Automatic clustering and feature selection using gravitational search algorithm and its application to microarray data analysis. *Neural Computing and Applications*, **2019**, 31, 3647-3663	4.8	6
111	Multi-objective spotted hyena optimizer: A Multi-objective optimization algorithm for engineering problems. *Knowledge-Based Systems*, **2018**, 150, 175-197	7.3	138
110	Reliable Distribution Network Design with Link Disruption Using Cross Decomposition. *Procedia Computer Science*, **2018**, 125, 654-661	1.6	1
109	Single image haze removal using integrated dark and bright channel prior. *Modern Physics Letters B*, **2018**, 32, 1850051	1.6	43
108	Comprehensive survey of 3D image steganography techniques. *IET Image Processing*, **2018**, 12, 1-10	1.7	24
107	Trends in spatio-temporal dynamics of visceral leishmaniasis cases in a highly-endemic focus of Bihar, India: an investigation based on GIS tools. *Parasites and Vectors*, **2018**, 11, 220	4	18
106	Enhancing the mechanical properties of virgin and damaged jute/polypropylene hybrid nonwoven geotextiles via mild alkali treatment of jute fibers. *Textile Reseach Journal*, **2018**, 88, 2132-2140	1.7	7
105	Dehazing of remote sensing images using fourth-order partial differential equations based trilateral filter. *IET Computer Vision*, **2018**, 12, 208-219	1.4	33
104	Dehazing of outdoor images using notch based integral guided filter. *Multimedia Tools and Applications*, **2018**, 77, 27363-27386	2.5	33

103	Deconstructing three-dimensional (3D) structure of absorptive glass mat (AGM) separator to tailor pore dimensions and amplify electrolyte uptake. *Journal of Power Sources*, **2018**, 384, 417-425	8.9	6
102	A RGB image encryption technique using Lorenz and Rossler chaotic system on DNA sequences. *Multimedia Tools and Applications*, **2018**, 77, 27017-27039	2.5	37
101	Fourier–Mellin moment-based intertwining map for image encryption. *Modern Physics Letters B*, **2018**, 32, 1850115	1.6	28
100	A modified DWT-based image steganography technique. *Multimedia Tools and Applications*, **2018**, 77, 13279-13308	2.5	30
99	Parallel non-dominated sorting genetic algorithm-II-based image encryption technique. *Imaging Science Journal*, **2018**, 66, 453-462	0.9	23
98	Adaptive Differential Evolution-Based Lorenz Chaotic System for Image Encryption. *Arabian Journal for Science and Engineering*, **2018**, 43, 8127-8144	2.5	35
97	Emperor penguin optimizer: A bio-inspired algorithm for engineering problems. *Knowledge-Based Systems*, **2018**, 159, 20-50	7.3	342
96	Performance evaluation of 2D face recognition techniques under image processing attacks. *Modern Physics Letters B*, **2018**, 32, 1850212	1.6	9
95	Colour image encryption technique using differential evolution in non-subsampled contourlet transform domain. *IET Image Processing*, **2018**, 12, 1273-1283	1.7	30
94	Defogging of road images using gain coefficient-based trilateral filter. *Journal of Electronic Imaging*, **2018**, 27, 1	0.7	27
93	Comprehensive survey on haze removal techniques. *Multimedia Tools and Applications*, **2018**, 77, 9595-9620	2.5	38
92	Prevalence and bacterial etiology of subclinical mastitis in goats reared in organized farms. *Veterinary World*, **2018**, 11, 20-24	1.7	12
91	An Improved Firefly Algorithm for the Vehicle Routing Problem with Time Windows **2018**,		2
90	Astrophysics inspired multi-objective approach for automatic clustering and feature selection in real-life environment. *Modern Physics Letters B*, **2018**, 32, 1850385	1.6	31
89	Beta Chaotic Map Based Image Encryption Using Genetic Algorithm. *International Journal of Bifurcation and Chaos in Applied Sciences and Engineering*, **2018**, 28, 1850132	2	32
88	Self-similar arrays of carbon nanotubes and nonwoven fibers with tunable surface wettability. *Materials Letters*, **2018**, 228, 133-136	3.3	4
87	A novel dehazing model for remote sensing images. *Computers and Electrical Engineering*, **2018**, 69, 14-27	4.3	32
86	Efficient image encryption method based on improved Lorenz chaotic system. *Electronics Letters*, **2018**, 54, 562-564	1.1	48

85	Grey Wolf Algorithm-Based Clustering Technique. *Journal of Intelligent Systems*, **2017**, 26, 153-168	1.5	35
84	Retrospective study on mortality of goats due to alimentary system diseases in an organized farm. *Small Ruminant Research*, **2017**, 149, 141-146	1.7	4
83	An astrophysics-inspired Grey wolf algorithm for numerical optimization and its application to engineering design problems. *Advances in Engineering Software*, **2017**, 112, 231-254	3.6	48
82	Dehazing of remote sensing images using improved restoration model based dark channel prior. *Imaging Science Journal*, **2017**, 65, 282-292	0.9	37
81	Spotted hyena optimizer: A novel bio-inspired based metaheuristic technique for engineering applications. *Advances in Engineering Software*, **2017**, 114, 48-70	3.6	456
80	Coded yarn based tag for tracking textile supply chain. *Journal of Manufacturing Systems*, **2017**, 42, 124-139	1.9	11
79	Performance Evaluation of Line Symmetry-Based Validity Indices on Clustering Algorithms. *Journal of Intelligent Systems*, **2017**, 26, 483-503	1.5	1
78	A conceptual comparison of NSGA-II, OMOPSO and AbYss algorithms. *International Journal of Internet Technology and Secured Transactions*, **2017**, 7, 330	0.6	4
77	Lagrangian relaxation for the vehicle routing problem with time windows **2017**,		4
76	Compression-recovery model of absorptive glass mat (AGM) separator guided by X-ray micro-computed tomography analysis. *Journal of Power Sources*, **2017**, 365, 389-398	8.9	7
75	A comparative analysis of optimization solvers. *Journal of Statistics and Management Systems*, **2017**, 20, 623-635	0.9	22
74	Modified gain intervention filter based dehazing technique. *Journal of Modern Optics*, **2017**, 64, 2165-2178	1.8	36
73	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	2.2	5
72	Role of inhibitors of serine peptidases in protecting Leishmania donovani against the hydrolytic peptidases of sand fly midgut. *Parasites and Vectors*, **2017**, 10, 303	4	9
71	Reliable Back-up Facility in Distribution Network. *Procedia Computer Science*, **2017**, 115, 312-321	1.6	6
70	Firefly algorithm for reliable protection in distribution networks **2017**,		1
69	Studying DDT Susceptibility at Discriminating Time Intervals Focusing on Maximum Limit of Exposure Time Survived by DDT Resistant Phlebotomus argentipes (Diptera: Psychodidae): an Investigative Report. *Japanese Journal of Infectious Diseases*, **2017**, 70, 437-441	2.7	1
68	Knockdown resistance mutations predict DDT resistance and pyrethroid tolerance in the visceral leishmaniasis vector Phlebotomus argentipes. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0005504	4.8	22

67	Data Clustering Using Sine Cosine Algorithm. *Advances in Computational Intelligence and Robotics Book Series*, **2017**, 715-726	0.4	14
66	Automatic MRI Brain Image Segmentation Using Gravitational Search-Based Clustering Technique **2017**, 115-130		
65	Implication of vector characteristics of Phlebotomus argentipes in the kala-azar elimination programme in the Indian sub-continent. *Pathogens and Global Health*, **2016**, 110, 87-96	3.1	20
64	Designing superhydrophobic disordered arrays of fibers with hierarchical roughness and low-surface-energy. *Applied Surface Science*, **2016**, 389, 469-476	6.7	18
63	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	4	10
62	Development of a Simple Dipstick Assay for Operational Monitoring of DDT. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004324	4.8	7
61	Current status of subspecies infection in animals & humans in India: What needs to be done?. *Indian Journal of Medical Research*, **2016**, 144, 661-671	2.9	6
60	Supply Chain Strategies for Quality Inspection under a Customer Return Policy: A Game Theoretical Approach. *Entropy*, **2016**, 18, 440	2.8	2
59	An automated parameter selection approach for simultaneous clustering and feature selection. *Journal of Engineering Research*, **2016**, 4,	2	1
58	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. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0004932	4.8	18
57	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	4.8	7
56	Longitudinal Study of Transmission in Households with Visceral Leishmaniasis, Asymptomatic Infections and PKDL in Highly Endemic Villages in Bihar, India. *PLoS Neglected Tropical Diseases*, **2016**, 10, e0005196	4.8	27
55	Automatic Data Clustering Using Parameter Adaptive Harmony Search Algorithm and Its Application to Image Segmentation. *Journal of Intelligent Systems*, **2016**, 25, 595-610	1.5	14
54	Modified Grey Wolf Algorithm for optimization problems **2016**,		4
53	Statistical analysis of use-phase energy consumption of textile products. *International Journal of Life Cycle Assessment*, **2016**, 21, 1776-1788	4.6	18
52	Repeated training of accredited social health activists (ASHAs) for improved detection of visceral leishmaniasis cases in Bihar, India. *Pathogens and Global Health*, **2016**, 110, 33-5	3.1	5
51	A fully yarn integrated tag for tracking the international textile supply chain. *Journal of Manufacturing Systems*, **2016**, 40, 76-86	9.1	17
50	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. *Cytokine*, **2016**, 86, 79-85	4	8

49	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. *Transactions of the Royal Society of Tropical Medicine and Hygiene*, **2015**, 109, 408-15	2	13
48	Optimal Choice of Parameters for Fireworks Algorithm. *Procedia Computer Science*, **2015**, 70, 334-340	1.6	7
47	Differential Search Algorithm for Multiobjective Problems. *Procedia Computer Science*, **2015**, 48, 22-28	1.6	12
46	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, 8573-8	11.5	65
45	Adoption of health technologies among goat farmers in different agro-climatic zones of Bihar. *Journal of Applied Animal Research*, **2015**, 43, 46-51	1.7	0
44	Automatic Unsupervised Feature Selection using Gravitational Search Algorithm. *IETE Journal of Research*, **2015**, 61, 22-31	0.9	13
43	Insecticide susceptibility of Phlebotomus argentipes & assessment of vector control in two districts of West Bengal, India. *Indian Journal of Medical Research*, **2015**, 142, 211-5	2.9	15
42	Insecticidal effect of plant extracts on Phlebotomus argentipes (Diptera: Psychodidae) in Bihar, India. *Indian Journal of Medical Research*, **2015**, 142 Suppl, S95-S100	2.9	8
41	Mites and spiders act as biological control agent to sand flies. *Asian Pacific Journal of Tropical Disease*, **2014**, 4, S463-S466		3
40	Automatic cluster evolution using gravitational search algorithm and its application on image segmentation. *Engineering Applications of Artificial Intelligence*, **2014**, 29, 93-103	7.2	51
39	Electron impact cross sections of vibrationally and electronically excited molecules. *Physics Reports*, **2014**, 543, 199-244	27.7	7
38	VARIANCE-BASED HARMONY SEARCH ALGORITHM FOR UNIMODAL AND MULTIMODAL OPTIMIZATION PROBLEMS WITH APPLICATION TO CLUSTERING. *Cybernetics and Systems*, **2014**, 45, 486-511	1.9	17
37	Diagnostic evaluation of serological assays and different gene based PCR for detection of Brucella melitensis in goat. *Small Ruminant Research*, **2014**, 117, 94-102	1.7	16
36	Parameter adaptive harmony search algorithm for unimodal and multimodal optimization problems. *Journal of Computational Science*, **2014**, 5, 144-155	3.4	67
35	Clustering using modified harmony search algorithm. *International Journal of Computational Intelligence Studies*, **2014**, 3, 113	0.7	7
34	Impact of ASHA training on active case detection of visceral leishmaniasis in Bihar, India. *PLoS Neglected Tropical Diseases*, **2014**, 8, e2774	4.8	14
33	Spatial distribution of P. argentipes in association with agricultural surrounding environment in North Bihar, India. *Journal of Infection in Developing Countries*, **2014**, 8, 358-64	2.3	4
32	Automatic MRI Brain Image Segmentation Using Gravitational Search-Based Clustering Technique. *Advances in Computational Intelligence and Robotics Book Series*, **2014**, 313-326	0.4	1

#	Reference	IF	Citations
31	Impact of Distance Measures on the Performance of Clustering Algorithms. *Advances in Intelligent Systems and Computing*, **2014**, 183-190	0.4	7
30	Analysis of rainfall and temperature trends in northeast India. *International Journal of Climatology*, **2013**, 33, 968-978	3.5	191
29	Spatial and temporal variation and hotspot detection of kala-azar disease in Vaishali district (Bihar), India. *BMC Infectious Diseases*, **2013**, 13, 64	4	59
28	Oviposition behaviour of Phlebotomus argentipes--a laboratory-based study. *Memorias Do Instituto Oswaldo Cruz*, **2013**, 108, 1065-7	2.6	4
27	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	2.6	8
26	Effect of Harmony Search Parameters Variation in Clustering. *Procedia Technology*, **2012**, 6, 265-274		11
25	Delimitation of kala-azar risk areas in the district of Vaishali in Bihar (India) using a geo-environmental approach. *Memorias Do Instituto Oswaldo Cruz*, **2012**, 107, 609-20	2.6	20
24	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, 51-62	2.2	10
23	Manifestation of the Gouy phase in vector-vortex beams. *Optics Letters*, **2012**, 37, 2667-9	3	34
22	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	2	5
21	Telehealth: a perspective approach for visceral leishmaniasis (kala-azar) control in India. *Pathogens and Global Health*, **2012**, 106, 150-8	3.1	8
20	Initializing Cluster Center for K-Means Using Biogeography Based Optimization. *Communications in Computer and Information Science*, **2011**, 448-456	0.3	3
19	Self synchronization based air traffic control and collision avoidance system **2011**,		1
18	Trends in rainfall amount and number of rainy days in river basins of India (1951-2004) **2011**, 42, 290-306		77
17	Export and import of virtual water from different states of India through food grain trade **2011**, 42, 229-238		5
16	Improving the Performance of Color Image Watermarking Using Contourlet Transform. *Communications in Computer and Information Science*, **2011**, 256-264	0.3	
15	Analysis of long-term rainfall trends in India. *Hydrological Sciences Journal*, **2010**, 55, 484-496	3.5	304
14	Performance evaluation of DWT based image steganography **2010**,		36

13	Electron-impact cross sections for deuterated hydrogen and deuterium molecules. *Reports on Progress in Physics*, **2010**, 73, 116401	14.4	29
12	Digital Image Steganography Based on Combination of DCT and DWT. *Communications in Computer and Information Science*, **2010**, 596-601	0.3	15
11	Non-Newtonian and thermal effects in constant flow valve compensated symmetric hole-entry hybrid journal bearing. *Lubrication Science*, **2007**, 19, 269-286	1.3	14
10	Journal Motion Simulation of Hybrid Journal Bearing Considering Viscosity Variation Due to Temperature Change **2005**, 215		0
9	On The Stability Margin of Hole-Entry Hybrid Journal Bearings Considering Viscosity-Temperature Variation. *Tribology Transactions*, **2003**, 46, 421-427	1.8	15
8	Early diagnosis of COVID-19 patients using deep learning-based deep forest model. *Journal of Experimental and Theoretical Artificial Intelligence*, 1-11	2	2
7	A Systematic Review on Bat Algorithm: Theoretical Foundation, Variants, and Applications. *Archives of Computational Methods in Engineering*, 1	7.8	2
6	A Comprehensive Review on Deep Synergistic Drug Prediction Techniques for Cancer. *Archives of Computational Methods in Engineering*, 1	7.8	3
5	Single Image Defogging using Deep Learning Techniques: Past, Present and Future. *Archives of Computational Methods in Engineering*, 1	7.8	3
4	A Systematic Review on Foggy Datasets: Applications and Challenges. *Archives of Computational Methods in Engineering*, 1	7.8	1
3	DeepHumor: a novel deep learning framework for humor detection. *Multimedia Tools and Applications*, 1	2.5	0
2	A Systematic Review on Breast Cancer Detection Using Deep Learning Techniques. *Archives of Computational Methods in Engineering*, 1	7.8	1
1	Driver drowsiness detection using modified deep learning architecture. *Evolutionary Intelligence*,	1.7	2