

Anupam Shukla

List of Publications by Year in Descending Order

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

147
papers

938
citations

16
h-index

24
g-index

163
ext. papers

1,225
ext. citations

1.2
avg, IF

4.62
L-index

#	Paper	IF	Citations
147	A solution for priority-based multi-robot path planning problem with obstacles using ant lion optimization. <i>Modern Physics Letters B</i> , 2020 , 34, 2050137	1.6	9
146	Parkinson's Disease Detection with Gait Recognition using Soft Computing Techniques 2020 , 1223-1243		
145	A Novel Genetically Optimized Convolutional Neural Network for Traffic Sign Recognition: A New Benchmark on Belgium and Chinese Traffic Sign Datasets. <i>Neural Processing Letters</i> , 2019 , 50, 3019-3043 ^{2.4}	2.4	13
144	Vehicle Routing Problem with Time Windows Using Meta-Heuristic Algorithms: A Survey. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 539-546	0.4	17
143	Optimization of Focused Wave Front Algorithm in Unknown Dynamic Environment for Multi-Robot Navigation 2019 , 553-581		
142	Hybrid Evolutionary Methods 2019 , 295-336		
141	Real-time BigData and Predictive Analytical Architecture for healthcare application. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019 , 44, 1	1	1
140	Three dimensional path planning using Grey wolf optimizer for UAVs. <i>Applied Intelligence</i> , 2019 , 49, 2201-2217 ^{4.0}	4.0	40
139	Hybrid evolutionary approach for Devanagari handwritten numeral recognition using Convolutional Neural Network. <i>Procedia Computer Science</i> , 2018 , 125, 525-532	1.6	13
138	Multi-robot multi-target dynamic path planning using artificial bee colony and evolutionary programming in unknown environment. <i>Intelligent Service Robotics</i> , 2018 , 11, 171-186	2.6	23
137	Discrete bacteria foraging optimization algorithm for graph based problems & transition from continuous to discrete. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2018 , 30, 345-365 ²	2	2
136	A new insight into the schema survival after crossover and mutation for genetic algorithms having distributed population set. <i>International Journal of Information Technology (Singapore)</i> , 2018 , 10, 165-168 ^{1.4}	1.4	3
135	Mathematical analysis of schema survival for genetic algorithms having dual mutation. <i>Soft Computing</i> , 2018 , 22, 1763-1771	3.5	4
134	Three-dimensional path planning for unmanned aerial vehicles using glowworm swarm optimization algorithm. <i>International Journal of Systems Assurance Engineering and Management</i> , 2018 , 9, 836-852	1.3	18
133	UAV-Robot Relationship for Coordination of Robots on a Collision Free Path. <i>Procedia Computer Science</i> , 2018 , 133, 424-431	1.6	3
132	Analysis of the Effect of Elite Count on the Behavior of Genetic Algorithms: A Perspective 2017 ,		6
131	A novel multi-agent formation control law with collision avoidance. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2017 , 4, 558-568	7	29

130	A comparison of soft computing models for Parkinson's disease diagnosis using voice and gait features. <i>Network Modeling Analysis in Health Informatics and Bioinformatics</i> , 2017 , 6, 1	1.6	5
129	Mathematical analysis of the cumulative effect of novel ternary crossover operator and mutation on probability of survival of a schema. <i>Theoretical Computer Science</i> , 2017 , 666, 1-11	1.1	9
128	A survey of nature-inspired algorithms for feature selection to identify Parkinson's disease. <i>Computer Methods and Programs in Biomedicine</i> , 2017 , 139, 171-179	6.9	45
127	Soft computing based expert system for Hepatitis and liver disorders 2016 ,		4
126	Acoustic Modeling for Development of Accented Indian English ASR. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 173-183	0.4	
125	Improved Identity Anonymization Using Hashed-TOR Network. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 185-192	0.4	
124	Ventricular Assist Device and Its Necessity for Elderly Population. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2016 , 314-334	0.3	1
123	Parkinson's Disease Detection with Gait Recognition using Soft Computing Techniques. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2016 , 357-377	0.3	1
122	Diagnosis of Parkinson Disease Patients Using Egyptian Vulture Optimization Algorithm. <i>Lecture Notes in Computer Science</i> , 2016 , 92-103	0.9	1
121	Improving microgrid voltage stability through cyber-physical control 2016 ,		2
120	Multi robot area exploration using nature inspired algorithm. <i>Biologically Inspired Cognitive Architectures</i> , 2016 , 18, 80-94		10
119	Multi Robot Path Planning for Known and Unknown Target Using Bacteria Foraging Algorithm. <i>Lecture Notes in Computer Science</i> , 2015 , 674-685	0.9	0
118	Energy efficient dynamic nearest node election for localizations of mobile node in wireless sensor networks 2015 ,		2
117	Quality assessment of modeled protein structure using physicochemical properties. <i>Journal of Bioinformatics and Computational Biology</i> , 2015 , 13, 1550005	1	14
116	Multi-robot Area Exploration Using Particle Swarm Optimization with the Help of CBDF-based Robot Scattering. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 113-123	0.4	2
115	CBDF-Based Target Searching and Tracking Using Particle Swarm Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 53-62	0.4	1
114	CBDF Based Cooperative Multi Robot Target Searching and Tracking Using BA. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 373-384	0.5	2
113	Improved Approach to Area Exploration in an Unknown Environment by Mobile Robot using Genetic Algorithm, Real time Reinforcement Learning and Co-operation among the Controllers. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 155-158		2

112	Coalition Formation for Multi-Agent Coordination for Surveillance and Capture of Foreign Intruder using Bacteria Foraging Algorithm. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 511-518		1
111	Canopy Clustering Based Multi Robot Area Exploration. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 505-510		2
110	Human Aided Text Summarizer "SAAR" Using Reinforcement Learning 2014 ,		1
109	Discrete Bacteria Foraging Optimization Algorithm for Vehicle Distribution Optimization in Graph Based Road Network Management. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 351-358	0.4	2
108	Road Traffic Management Using Egyptian Vulture Optimization Algorithm: A New Graph Agent-Based Optimization Meta-Heuristic Algorithm. <i>Lecture Notes in Electrical Engineering</i> , 2014 , 107-122	0.2	3
107	Discrete Krill Herd Algorithm A Bio-Inspired Meta-Heuristics for Graph Based Network Route Optimization. <i>Lecture Notes in Computer Science</i> , 2014 , 152-163	0.9	13
106	Discrete Cuckoo Search Optimization Algorithm for Combinatorial Optimization of Vehicle Route in Graph Based Road Network. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 307-320	0.4	5
105	A Diversity-Based Comparative Study for Advance Variants of Differential Evolution. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 1317-1331	0.4	
104	Gender Identification Using Gait Biometrics. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 191-197	0.4	0
103	Smart Card Application for Attendance Management System. <i>Smart Innovation, Systems and Technologies</i> , 2014 , 153-160	0.5	
102	Clock gated low power sequential circuit design 2013 ,		8
101	RSS Fingerprints Based Distributed Semi-Supervised Locally Linear Embedding (DSSLLE) Location Estimation System for Indoor WLAN. <i>Wireless Personal Communications</i> , 2013 , 71, 1175-1192	1.9	2
100	Multi-objective adaptive intelligent water drops algorithm for optimization & vehicle guidance in road graph network 2013 ,		4
99	New Bio-inspired Meta-Heuristics - Green Herons Optimization Algorithm - for Optimization of Travelling Salesman Problem and Road Network. <i>Lecture Notes in Computer Science</i> , 2013 , 168-179	0.9	6
98	Performance Analysis of Received Signal Strength Fingerprinting Based Distributed Location Estimation System for Indoor WLAN. <i>Wireless Personal Communications</i> , 2013 , 70, 113-127	1.9	10
97	Solving Travelling Salesman Problem Using Egyptian Vulture Optimization Algorithm A New Approach. <i>Lecture Notes in Computer Science</i> , 2013 , 254-267	0.9	9
96	Egyptian Vulture Optimization Algorithm A New Nature Inspired Meta-heuristics for Knapsack Problem. <i>Advances in Intelligent Systems and Computing</i> , 2013 , 227-237	0.4	24
95	Communication constraints multi-agent territory exploration task. <i>Applied Intelligence</i> , 2013 , 38, 357-383	1.9	10

94	Speaker recognition using multimodal biometric system 2013 ,		2
93	Discrete Invasive Weed Optimization Algorithm for Graph Based Combinatorial Road Network Management Problem 2013 ,		2
92	Dealing QAP & KSP with Green Heron optimization algorithm [A new bio-inspired meta-heuristic 2013 ,		2
91	Adaptive & Discrete Real Bat Algorithms for Route Search Optimization of Graph Based Road Network 2013 ,		4
90	Structure stability analysis of Nin(n = 2 - 22) using nature inspired algorithms: a performance study. <i>International Journal of Advanced Intelligence Paradigms</i> , 2013 , 5, 16	0.5	1
89	Intelligent Decision Support System for Fetal Delivery using Soft Computing Techniques 2013 , 1114-1130		
88	Optimization of Focused Wave Front Algorithm in Unknown Dynamic Environment for Multi-Robot Navigation. <i>International Journal of Intelligent Mechatronics and Robotics</i> , 2013 , 3, 1-29		
87	Robot Path Planning using Dynamic Programming with Accelerating Nodes. <i>Paladyn</i> , 2012 , 3,	2.3	6
86	Multi-Robot Exploration in Wireless Environments. <i>Cognitive Computation</i> , 2012 , 4, 526-542	4.4	9
85	Location Estimation Based on Semi-Supervised Locally Linear Embedding (SSLLE) Approach for Indoor Wireless Networks. <i>Wireless Personal Communications</i> , 2012 , 67, 879-893	1.9	11
84	Distributed location estimation system using WLAN received signal strength fingerprints 2012 ,		5
83	Modified A* Algorithm for Mobile Robot Path Planning. <i>Studies in Computational Intelligence</i> , 2012 , 183-193		12
82	MDABC. <i>Journal of Information Technology Research</i> , 2012 , 5, 30-47	0.7	1
81	Breast Cancer Data Prediction by Dimensionality Reduction Using PCA and Adaptive Neuro Evolution. <i>International Journal of Information Systems and Social Change</i> , 2012 , 3, 1-9	0.4	1
80	Multi Robot Exploration through Pruning Frontiers. <i>Advanced Materials Research</i> , 2012 , 462, 609-616	0.5	4
79	View variations effect in gait recognition and performance improvement using fusion 2012 ,		3
78	Hybrid computing based intelligent system for breast cancer diagnosis. <i>International Journal of Biomedical Engineering and Technology</i> , 2012 , 10, 1	1.3	6
77	Robotic path planning using hybrid genetic algorithm particle swarm optimisation. <i>International Journal of Information and Communication Technology</i> , 2012 , 4, 89	0.1	4

76	Guided Reproduction in Differential Evolution. <i>Lecture Notes in Computer Science</i> , 2012 , 117-127	0.9	1
75	PERDURABLE: A Real Time Commit Protocol 2012 , 1-17		7
74	Financial Time Series Forecast Using Neural Network Ensembles. <i>Lecture Notes in Computer Science</i> , 2011 , 480-488	0.9	2
73	Modular symbiotic adaptive neuro evolution for high dimensionality classificatory problems. <i>Intelligent Decision Technologies</i> , 2011 , 5, 309-319	0.7	2
72	Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks. <i>Journal of Information Technology Research</i> , 2011 , 4, 34-47	0.7	1
71	Multi-robot exploration using wave front algorithm. <i>International Journal of Rapid Manufacturing</i> , 2011 , 2, 280	0.9	2
70	A novel approach to classificatory problem using neuro-fuzzy architecture. <i>International Journal of Systems, Control and Communications</i> , 2011 , 3, 259	0.5	2
69	Diagnosis of breast cancer by modular evolutionary neural networks. <i>International Journal of Biomedical Engineering and Technology</i> , 2011 , 7, 194	1.3	23
68	Robotic path planning in static environment using hierarchical multi-neuron heuristic search and probability based fitness. <i>Neurocomputing</i> , 2011 , 74, 2314-2335	5.4	35
67	Krishi Ville [Android based solution for Indian agriculture 2011 ,		9
66	Financial Time Series Volatility Forecast Using Evolutionary Hybrid Artificial Neural Network. <i>Communications in Computer and Information Science</i> , 2011 , 463-471	0.3	3
65	Robotic path planning using evolutionary momentum-based exploration. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2011 , 23, 469-495	2	19
64	Discrete optimization problem solving with three variants of hybrid binary particle swarm optimization 2011 ,		1
63	Handling Large Medical Data Sets for Disease Detection. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 2011 , 162-176	0.4	2
62	Multi Robot Exploration Using a Modified A* Algorithm. <i>Lecture Notes in Computer Science</i> , 2011 , 506-516.9		4
61	A Focused Wave Front Algorithm for Mobile Robot Path Planning. <i>Lecture Notes in Computer Science</i> , 2011 , 190-197	0.9	11
60	Fusion of Gait and Facial Feature Using PCA. <i>Communications in Computer and Information Science</i> , 2011 , 401-409	0.3	1
59	Expert System for Sentence Recognition. <i>Communications in Computer and Information Science</i> , 2011 , 66-75	0.3	

58	Assignment and Navigation Framework for Multiple Travelling Robots. <i>Communications in Computer and Information Science</i> , 2011 , 513-523	0.3	
57	Intelligent Decision Support System for Fetal Delivery using Soft Computing Techniques. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 2011 , 145-161	0.4	
56	Multimodal Biometric Systems. <i>Studies in Computational Intelligence</i> , 2010 , 401-418	0.8	1
55	Distributed Growing Radial Basis Function Neural Networks for Location Estimation in Indoor Wireless Networks 2010 ,		3
54	Breast cancer diagnostic system using Symbiotic Adaptive Neuro-evolution (SANE) 2010 ,		1
53	Towards Hybrid and Adaptive Computing. <i>Studies in Computational Intelligence</i> , 2010 ,	0.8	10
52	DYNAMIC ENVIRONMENT ROBOT PATH PLANNING USING HIERARCHICAL EVOLUTIONARY ALGORITHMS. <i>Cybernetics and Systems</i> , 2010 , 41, 435-454	1.9	26
51	Text-Dependent Multilingual Speaker Identification for Indian Languages Using Artificial Neural Network 2010 ,		2
50	Multilingual speaker recognition using ANFIS 2010 ,		5
49	Evolutionary Strategies. <i>Studies in Computational Intelligence</i> , 2010 , 235-247	0.8	
48	2010 ,		5
47	Breast cancer diagnosis using Artificial Neural Network models 2010 ,		31
46	Expert System for Speaker Identification Using Lip Features with PCA 2010 ,		5
45	Clustering-based hierarchical genetic algorithm for complex fitness landscapes. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2010 , 9, 185	0.5	6
44	Neuro-fuzzy-based biometric system using speech features. <i>International Journal of Biometrics</i> , 2010 , 2, 391	0.4	2
43	Fusion of probabilistic A* algorithm and fuzzy inference system for robotic path planning. <i>Artificial Intelligence Review</i> , 2010 , 33, 307-327	9.7	77
42	Sequential combination of statistics, econometrics and Adaptive Neural-Fuzzy Interface for stock market prediction. <i>Expert Systems With Applications</i> , 2010 , 37, 5116-5125	7.8	15
41	Fusion of Speech and Face by Enhanced Modular Neural Network. <i>Communications in Computer and Information Science</i> , 2010 , 363-372	0.3	11

40	Intelligent Decision Support System for Breast Cancer. <i>Lecture Notes in Computer Science</i> , 2010 , 351-358	0.9	7
39	Modular Neural Networks. <i>Studies in Computational Intelligence</i> , 2010 , 307-335	0.8	2
38	Genetic Algorithm. <i>Studies in Computational Intelligence</i> , 2010 , 59-82	0.8	1
37	Automatic Summary Generation from Single Document Using Information Gain. <i>Communications in Computer and Information Science</i> , 2010 , 152-159	0.3	2
36	Evolutionary Neural and Fuzzy Systems. <i>Studies in Computational Intelligence</i> , 2010 , 277-306	0.8	
35	Chapter 15 Hybridizing Neural and Fuzzy Systems. <i>Studies in Computational Intelligence</i> , 2010 , 337-359	0.8	1
34	Swarm Intelligence. <i>Studies in Computational Intelligence</i> , 2010 , 187-207	0.8	
33	Parallel and Hierarchical Evolutionary Algorithms. <i>Studies in Computational Intelligence</i> , 2010 , 361-381	0.8	
32	Adaptive Systems. <i>Studies in Computational Intelligence</i> , 2010 , 421-431	0.8	
31	Intelligent System Design in Speech. <i>Studies in Computational Intelligence</i> , 2010 , 129-151	0.8	
30	Intelligent Systems Design in Music. <i>Studies in Computational Intelligence</i> , 2010 , 153-173	0.8	
29	Other Evolutionary Concepts. <i>Studies in Computational Intelligence</i> , 2010 , 249-273	0.8	
28	Intelligent System Design in Face. <i>Studies in Computational Intelligence</i> , 2010 , 175-184	0.8	
27	Genetic Programming. <i>Studies in Computational Intelligence</i> , 2010 , 209-234	0.8	1
26	Fusion Methods in Biometrics. <i>Studies in Computational Intelligence</i> , 2010 , 385-399	0.8	
25	Speech Signal Analysis. <i>Studies in Computational Intelligence</i> , 2010 , 111-128	0.8	1
24	A Novel Approach to Classificatory Problem using Grammatical Evolution based Hybrid Algorithm. <i>International Journal of Computer Applications</i> , 2010 , 1, 73-80	1.1	4
23	Clinical Decision Support System for Fetal Delivery Using Artificial Neural Network 2009 ,		7

22	Decision Support System for Fetal Delivery Using Soft Computing Techniques 2009,		1
21	Mobile Robot Navigation Control in Moving Obstacle Environment Using Genetic Algorithm, Artificial Neural Networks and A* Algorithm 2009,		21
20	Fast Learning Neural Network Using Modified Corners Algorithm 2009,		1
19	Robotic path planning using multi neuron heuristic search 2009,		7
18	Intelligent System for the Diagnosis of Epilepsy 2009,		4
17	2009,		18
16	Fusion of Evolutionary Algorithms and Multi-Neuron Heuristic Search for robotic path planning 2009,		2
15	Face Recognition using morphological method 2009,		4
14	2009,		8
13	A New Heuristic Channel Assignment in Cellular Networks 2009,		1
12	Comparative analysis of intelligent hybrid systems for detection of PIMA indian diabetes 2009,		8
11	An Efficient Mode Selection Algorithm for H.264 Encoder for Application in Low Computational Power Devices 2009,		1
10	Intelligent Biometric System using PCA and R-LDA 2009,		4
9	Multi Lingual Character Recognition Using Hierarchical Rule Based Classification and Artificial Neural Network. <i>Lecture Notes in Computer Science, 2009, 821-830</i>	0.9	0
8	Multi Lingual Speaker Recognition Using Artificial Neural Network. <i>Advances in Intelligent and Soft Computing, 2009, 1-9</i>		
7	Optimized Graph Search Using Multi-Level Graph Clustering. <i>Communications in Computer and Information Science, 2009, 103-114</i>	0.3	0
6	A novel approach of speaker authentication by fusion of speech and image features using Artificial Neural Networks. <i>International Journal of Information and Communication Technology, 2008, 1, 159</i>	0.1	9
5	Intelligent Biometric System. <i>Journal of Information Technology Research, 2008, 1, 41-56</i>	0.7	3

4	Mobile Robot Navigation Control in Moving Obstacle Environment Using A113-120	2
3	Real Life Applications of Soft Computing	34
2	Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks34-47	
1	Hybrid Intelligent Systems for Medical Diagnosis. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> ,187-202	0.4 1