Anupam Shukla

List of Publications by Citations

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	Fusion of probabilistic A* algorithm and fuzzy inference system for robotic path planning. *Artificial Intelligence Review*, **2010**, 33, 307-327	9.7	77
146	A survey of nature-inspired algorithms for feature selection to identify Parkinson's disease. *Computer Methods and Programs in Biomedicine*, **2017**, 139, 171-179	6.9	45
145	Three dimensional path planning using Grey wolf optimizer for UAVs. *Applied Intelligence*, **2019**, 49, 2201-2217	5.9	40
144	Robotic path planning in static environment using hierarchical multi-neuron heuristic search and probability based fitness. *Neurocomputing*, **2011**, 74, 2314-2335	5.4	35
143	Real Life Applications of Soft Computing		34
142	Breast cancer diagnosis using Artificial Neural Network models **2010**,		31
141	A novel multi-agent formation control law with collision avoidance. *IEEE/CAA Journal of Automatica Sinica*, **2017**, 4, 558-568	7	29
140	DYNAMIC ENVIRONMENT ROBOT PATH PLANNING USING HIERARCHICAL EVOLUTIONARY ALGORITHMS. *Cybernetics and Systems*, **2010**, 41, 435-454	1.9	26
139	Egyptian Vulture Optimization Algorithm A New Nature Inspired Meta-heuristics for Knapsack Problem. *Advances in Intelligent Systems and Computing*, **2013**, 227-237	0.4	24
138	Multi-robot multi-target dynamic path planning using artificial bee colony and evolutionary programming in unknown environment. *Intelligent Service Robotics*, **2018**, 11, 171-186	2.6	23
137	Diagnosis of breast cancer by modular evolutionary neural networks. *International Journal of Biomedical Engineering and Technology*, **2011**, 7, 194	1.3	23
136	Mobile Robot Navigation Control in Moving Obstacle Environment Using Genetic Algorithm, Artificial Neural Networks and A* Algorithm **2009**,		21
135	Robotic path planning using evolutionary momentum-based exploration. *Journal of Experimental and Theoretical Artificial Intelligence*, **2011**, 23, 469-495	2	19
134	Three-dimensional path planning for unmanned aerial vehicles using glowworm swarm optimization algorithm. *International Journal of Systems Assurance Engineering and Management*, **2018**, 9, 836-852	1.3	18
133	**2009**,		18
132	Vehicle Routing Problem with Time Windows Using Meta-Heuristic Algorithms: A Survey. *Advances in Intelligent Systems and Computing*, **2019**, 539-546	0.4	17
131	Sequential combination of statistics, econometrics and Adaptive Neural-Fuzzy Interface for stock market prediction. *Expert Systems With Applications*, **2010**, 37, 5116-5125	7.8	15

130	Quality assessment of modeled protein structure using physicochemical properties. *Journal of Bioinformatics and Computational Biology*, **2015**, 13, 1550005	1	14
129	A Novel Genetically Optimized Convolutional Neural Network for Traffic Sign Recognition: A New Benchmark on Belgium and Chinese Traffic Sign Datasets. *Neural Processing Letters*, **2019**, 50, 3019-3043	2.4	13
128	Hybrid evolutionary approach for Devanagari handwritten numeral recognition using Convolutional Neural Network. *Procedia Computer Science*, **2018**, 125, 525-532	1.6	13
127	Discrete Krill Herd Algorithm A Bio-Inspired Meta-Heuristics for Graph Based Network Route Optimization. *Lecture Notes in Computer Science*, **2014**, 152-163	0.9	13
126	Modified A* Algorithm for Mobile Robot Path Planning. *Studies in Computational Intelligence*, **2012**, 183-193	0.8	12
125	Location Estimation Based on Semi-Supervised Locally Linear Embedding (SSLLE) Approach for Indoor Wireless Networks. *Wireless Personal Communications*, **2012**, 67, 879-893	1.9	11
124	Fusion of Speech and Face by Enhanced Modular Neural Network. *Communications in Computer and Information Science*, **2010**, 363-372	0.3	11
123	A Focused Wave Front Algorithm for Mobile Robot Path Planning. *Lecture Notes in Computer Science*, **2011**, 190-197	0.9	11
122	Performance Analysis of Received Signal Strength Fingerprinting Based Distributed Location Estimation System for Indoor WLAN. *Wireless Personal Communications*, **2013**, 70, 113-127	1.9	10
121	Communication constraints multi-agent territory exploration task. *Applied Intelligence*, **2013**, 38, 357-383	1.9	10
120	Towards Hybrid and Adaptive Computing. *Studies in Computational Intelligence*, **2010**,	0.8	10
119	Multi robot area exploration using nature inspired algorithm. *Biologically Inspired Cognitive Architectures*, **2016**, 18, 80-94		10
118	A solution for priority-based multi-robot path planning problem with obstacles using ant lion optimization. *Modern Physics Letters B*, **2020**, 34, 2050137	1.6	9
117	Mathematical analysis of the cumulative effect of novel ternary crossover operator and mutation on probability of survival of a schema. *Theoretical Computer Science*, **2017**, 666, 1-11	1.1	9
116	Multi-Robot Exploration in Wireless Environments. *Cognitive Computation*, **2012**, 4, 526-542	4.4	9
115	Solving Travelling Salesman Problem Using Egyptian Vulture Optimization Algorithm A New Approach. *Lecture Notes in Computer Science*, **2013**, 254-267	0.9	9
114	Krishi Ville Android based solution for Indian agriculture **2011**,		9
113	A novel approach of speaker authentication by fusion of speech and image features using Artificial Neural Networks. *International Journal of Information and Communication Technology*, **2008**, 1, 159	0.1	9

112	Clock gated low power sequential circuit design **2013**,		8
111	**2009**,		8
110	Comparative analysis of intelligent hybrid systems for detection of PIMA indian diabetes **2009**,		8
109	Clinical Decision Support System for Fetal Delivery Using Artificial Neural Network **2009**,		7
108	Robotic path planning using multi neuron heuristic search **2009**,		7
107	Intelligent Decision Support System for Breast Cancer. *Lecture Notes in Computer Science*, **2010**, 351-358	0.9	7
106	PERDURABLE: A Real Time Commit Protocol **2012**, 1-17		7
105	Robot Path Planning using Dynamic Programming with Accelerating Nodes. *Paladyn*, **2012**, 3,	2.3	6
104	New Bio-inspired Meta-Heuristics - Green Herons Optimization Algorithm - for Optimization of Travelling Salesman Problem and Road Network. *Lecture Notes in Computer Science*, **2013**, 168-179	0.9	6
103	Analysis of the Effect of Elite Count on the Behavior of Genetic Algorithms: A Perspective **2017**,		6
102	Hybrid computing based intelligent system for breast cancer diagnosis. *International Journal of Biomedical Engineering and Technology*, **2012**, 10, 1	1.3	6
101	Clustering-based hierarchical genetic algorithm for complex fitness landscapes. *International Journal of Intelligent Systems Technologies and Applications*, **2010**, 9, 185	0.5	6
100	A comparison of soft computing models for Parkinson's disease diagnosis using voice and gait features. *Network Modeling Analysis in Health Informatics and Bioinformatics*, **2017**, 6, 1	1.6	5
99	Distributed location estimation system using WLAN received signal strength fingerprints **2012**,		5
98	Multilingual speaker recognition using ANFIS **2010**,		5
97	**2010**,		5
96	Expert System for Speaker Identification Using Lip Features with PCA **2010**,		5
95	Discrete Cuckoo Search Optimization Algorithm for Combinatorial Optimization of Vehicle Route in Graph Based Road Network. *Advances in Intelligent Systems and Computing*, **2014**, 307-320	0.4	5

94	Mathematical analysis of schema survival for genetic algorithms having dual mutation. *Soft Computing*, **2018**, 22, 1763-1771	3.5	4
93	Soft computing based expert system for Hepatitis and liver disorders **2016**,		4
92	Multi-objective adaptive intelligent water drops algorithm for optimization & vehicle guidance in road graph network **2013**,		4
91	Adaptive & Discrete Real Bat Algorithms for Route Search Optimization of Graph Based Road Network **2013**,		4
90	Intelligent System for the Diagnosis of Epilepsy **2009**,		4
89	Multi Robot Exploration through Pruning Frontiers. *Advanced Materials Research*, **2012**, 462, 609-616	0.5	4
88	Robotic path planning using hybrid genetic algorithm particle swarm optimisation. *International Journal of Information and Communication Technology*, **2012**, 4, 89	0.1	4
87	Face Recognition using morphological method **2009**,		4
86	Intelligent Biometric System using PCA and R-LDA **2009**,		4
85	Multi Robot Exploration Using a Modified A* Algorithm. *Lecture Notes in Computer Science*, **2011**, 506-516	0.9	4
84	A Novel Approach to Classificatory Problem using Grammatical Evolution based Hybrid Algorithm. *International Journal of Computer Applications*, **2010**, 1, 73-80	1.1	4
83	A new insight into the schema survival after crossover and mutation for genetic algorithms having distributed population set. *International Journal of Information Technology (Singapore)*, **2018**, 10, 165-168	1.4	3
82	Distributed Growing Radial Basis Function Neural Networks for Location Estimation in Indoor Wireless Networks **2010**,		3
81	Financial Time Series Volatility Forecast Using Evolutionary Hybrid Artificial Neural Network. *Communications in Computer and Information Science*, **2011**, 463-471	0.3	3
80	View variations effect in gait recognition and performance improvement using fusion **2012**,		3
79	Intelligent Biometric System. *Journal of Information Technology Research*, **2008**, 1, 41-56	0.7	3
78	Road Traffic Management Using Egyptian Vulture Optimization Algorithm: A New Graph Agent-Based Optimization Meta-Heuristic Algorithm. *Lecture Notes in Electrical Engineering*, **2014**, 107-122	0.2	3
77	UAV-Robot Relationship for Coordination of Robots on a Collision Free Path. *Procedia Computer Science*, **2018**, 133, 424-431	1.6	3

76	Discrete bacteria foraging optimization algorithm for graph based problems a transition from continuous to discrete. *Journal of Experimental and Theoretical Artificial Intelligence*, **2018**, 30, 345-365	2	2
75	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. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 155-158		2
74	Canopy Clustering Based Multi Robot Area Exploration. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 505-510		2
73	RSS Fingerprints Based Distributed Semi-Supervised Locally Linear Embedding (DSSLLE) Location Estimation System for Indoor WLAN. *Wireless Personal Communications*, **2013**, 71, 1175-1192	1.9	2
72	Energy efficient dynamic nearest node election for localizations of mobile node in wireless sensor networks **2015**,		2
71	Speaker recognition using multimodal biometric system **2013**,		2
70	Discrete Invasive Weed Optimization Algorithm for Graph Based Combinatorial Road Network Management Problem **2013**,		2
69	Dealing QAP & KSP with Green Heron optimization algorithm A new bio-inspired meta-heuristic **2013**,		2
68	Financial Time Series Forecast Using Neural Network Ensembles. *Lecture Notes in Computer Science*, **2011**, 480-488	0.9	2
67	Modular symbiotic adaptive neuro evolution for high dimensionality classificatory problems. *Intelligent Decision Technologies*, **2011**, 5, 309-319	0.7	2
66	Multi-robot exploration using wave front algorithm. *International Journal of Rapid Manufacturing*, **2011**, 2, 280	0.9	2
65	A novel approach to classificatory problem using neuro-fuzzy architecture. *International Journal of Systems, Control and Communications*, **2011**, 3, 259	0.5	2
64	Text-Dependent Multilingual Speaker Identification for Indian Languages Using Artificial Neural Network **2010**,		2
63	Fusion of Evolutionary Algorithms and Multi-Neuron Heuristic Search for robotic path planning **2009**,		2
62	Neuro-fuzzy-based biometric system using speech features. *International Journal of Biometrics*, **2010**, 2, 391	0.4	2
61	Mobile Robot Navigation Control in Moving Obstacle Environment Using A113-120		2
60	Handling Large Medical Data Sets for Disease Detection. *Advances in Bioinformatics and Biomedical Engineering Book Series*, **2011**, 162-176	0.4	2
59	Discrete Bacteria Foraging Optimization Algorithm for Vehicle Distribution Optimization in Graph Based Road Network Management. *Advances in Intelligent Systems and Computing*, **2014**, 351-358	0.4	2

58	Modular Neural Networks. *Studies in Computational Intelligence*, **2010**, 307-335	0.8	2
57	Automatic Summary Generation from Single Document Using Information Gain. *Communications in Computer and Information Science*, **2010**, 152-159	0.3	2
56	Multi-robot Area Exploration Using Particle Swarm Optimization with the Help of CBDF-based Robot Scattering. *Advances in Intelligent Systems and Computing*, **2015**, 113-123	0.4	2
55	CBDF Based Cooperative Multi Robot Target Searching and Tracking Using BA. *Smart Innovation, Systems and Technologies*, **2015**, 373-384	0.5	2
54	Improving microgrid voltage stability through cyber-physical control **2016**,		2
53	Coalition Formation for Multi-Agent Coordination for Surveillance and Capture of Foreign Intruder using Bacteria Foraging Algorithm. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **2014**, 47, 511-518		1
52	Human Aided Text Summarizer "SAAR" Using Reinforcement Learning **2014**,		1
51	MDABC. *Journal of Information Technology Research*, **2012**, 5, 30-47	0.7	1
50	Breast Cancer Data Prediction by Dimensionality Reduction Using PCA and Adaptive Neuro Evolution. *International Journal of Information Systems and Social Change*, **2012**, 3, 1-9	0.4	1
49	Structure stability analysis of Nin(n = 2 - 22) using nature inspired algorithms: a performance study. *International Journal of Advanced Intelligence Paradigms*, **2013**, 5, 16	0.5	1
48	Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks. *Journal of Information Technology Research*, **2011**, 4, 34-47	0.7	1
47	Multimodal Biometric Systems. *Studies in Computational Intelligence*, **2010**, 401-418	0.8	1
46	Breast cancer diagnostic system using Symbiotic Adaptive Neuro-evolution (SANE) **2010**,		1
45	Decision Support System for Fetal Delivery Using Soft Computing Techniques **2009**,		1
44	Fast Learning Neural Network Using Modified Corners Algorithm **2009**,		1
43	Discrete optimization problem solving with three variants of hybrid binary particle swarm optimization **2011**,		1
42	A New Heuristic Channel Assignment in Cellular Networks **2009**,		1
41	An Efficient Mode Selection Algorithm for H.264 Encoder for Application in Low Computational Power Devices **2009**,		1

40	Ventricular Assist Device and Its Necessity for Elderly Population. *Advances in Medical Technologies and Clinical Practice Book Series*, **2016**, 314-334	0.3	1
39	Parkinson's Disease Detection with Gait Recognition using Soft Computing Techniques. *Advances in Medical Technologies and Clinical Practice Book Series*, **2016**, 357-377	0.3	1
38	Hybrid Intelligent Systems for Medical Diagnosis. *Advances in Bioinformatics and Biomedical Engineering Book Series*,187-202	0.4	1
37	Genetic Algorithm. *Studies in Computational Intelligence*, **2010**, 59-82	0.8	1
36	Fusion of Gait and Facial Feature Using PCA. *Communications in Computer and Information Science*, **2011**, 401-409	0.3	1
35	Guided Reproduction in Differential Evolution. *Lecture Notes in Computer Science*, **2012**, 117-127	0.9	1
34	CBDF-Based Target Searching and Tracking Using Particle Swarm Optimization. *Advances in Intelligent Systems and Computing*, **2015**, 53-62	0.4	1
33	Diagnosis of Parkinson Disease Patients Using Egyptian Vulture Optimization Algorithm. *Lecture Notes in Computer Science*, **2016**, 92-103	0.9	1
32	Chapter 15 Hybridizing Neural and Fuzzy Systems. *Studies in Computational Intelligence*, **2010**, 337-359	0.8	1
31	Genetic Programming. *Studies in Computational Intelligence*, **2010**, 209-234	0.8	1
30	Speech Signal Analysis. *Studies in Computational Intelligence*, **2010**, 111-128	0.8	1
29	Real-time BigData and Predictive Analytical Architecture for healthcare application. *Sadhana - Academy Proceedings in Engineering Sciences*, **2019**, 44, 1	1	1
28	Multi Robot Path Planning for Known and Unknown Target Using Bacteria Foraging Algorithm. *Lecture Notes in Computer Science*, **2015**, 674-685	0.9	0
27	Multi Lingual Character Recognition Using Hierarchical Rule Based Classification and Artificial Neural Network. *Lecture Notes in Computer Science*, **2009**, 821-830	0.9	0
26	Optimized Graph Search Using Multi-Level Graph Clustering. *Communications in Computer and Information Science*, **2009**, 103-114	0.3	0
25	Gender Identification Using Gait Biometrics. *Advances in Intelligent Systems and Computing*, **2014**, 191-197	0.4	0
24	Accoustic Modeling for Development of Accented Indian English ASR. *Advances in Intelligent Systems and Computing*, **2016**, 173-183	0.4	
23	Improved Identity Anonymization Using Hashed-TOR Network. *Advances in Intelligent Systems and Computing*, **2016**, 185-192	0.4	

22   Evolutionary Strategies. *Studies in Computational Intelligence*, **2010**, 235-247   0.8

21   Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks34-47

20   Optimization of Focused Wave Front Algorithm in Unknown Dynamic Environment for Multi-Robot Navigation **2019**, 553-581

19   Hybrid Evolutionary Methods **2019**, 295-336

18   Parkinson's Disease Detection with Gait Recognition using Soft Computing Techniques **2020**, 1223-1243

17   Multi Lingual Speaker Recognition Using Artificial Neural Network. *Advances in Intelligent and Soft Computing*, **2009**, 1-9

16   Evolutionary Neural and Fuzzy Systems. *Studies in Computational Intelligence*, **2010**, 277-306   0.8

15   Swarm Intelligence. *Studies in Computational Intelligence*, **2010**, 187-207   0.8

14   Parallel and Hierarchical Evolutionary Algorithms. *Studies in Computational Intelligence*, **2010**, 361-381   0.8

13   Adaptive Systems. *Studies in Computational Intelligence*, **2010**, 421-431   0.8

12   Intelligent System Design in Speech. *Studies in Computational Intelligence*, **2010**, 129-151   0.8

11   Intelligent Systems Design in Music. *Studies in Computational Intelligence*, **2010**, 153-173   0.8

10   Other Evolutionary Concepts. *Studies in Computational Intelligence*, **2010**, 249-273   0.8

9   Intelligent System Design in Face. *Studies in Computational Intelligence*, **2010**, 175-184   0.8

8   Fusion Methods in Biometrics. *Studies in Computational Intelligence*, **2010**, 385-399   0.8

7   Expert System for Sentence Recognition. *Communications in Computer and Information Science*, **2011**, 66-75   0.3

6   Assignment and Navigation Framework for Multiple Travelling Robots. *Communications in Computer and Information Science*, **2011**, 513-523   0.3

5   Intelligent Decision Support System for Fetal Delivery using Soft Computing Techniques. *Advances in Bioinformatics and Biomedical Engineering Book Series*, **2011**, 145-161   0.4

4	Intelligent Decision Support System for Fetal Delivery using Soft Computing Techniques **2013**, 1114-1130	
3	Optimization of Focused Wave Front Algorithm in Unknown Dynamic Environment for Multi-Robot Navigation. *International Journal of Intelligent Mechatronics and Robotics*, **2013**, 3, 1-29	
2	A Diversity-Based Comparative Study for Advance Variants of Differential Evolution. *Advances in Intelligent Systems and Computing*, **2014**, 1317-1331	0.4
1	Smart Card Application for Attendance Management System. *Smart Innovation, Systems and Technologies*, **2014**, 153-160	0.5