Ritu Tiwari

List of Publications by Year
in descending order

117 papers	1,191 citations	567144 15 h-index	552653 26 g-index
127 all docs	127 docs citations	127 times ranked	880 citing authors

#	ARTICLE	IF	CITATIONS
1	Fusion of probabilistic A* algorithm and fuzzy inference system for robotic path planning. Artificial Intelligence Review, 2010, 33, 307-327.	9.7	114
2	Particle swarm optimization and feature selection for intrusion detection system. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	58
3	Robotic path planning in static environment using hierarchical multi-neuron heuristic search and probability based fitness. Neurocomputing, 2011, 74, 2314-2335.	3.5	50
4	Breast cancer diagnosis using Artificial Neural Network models. , 2010, , .		48
5	Multi-robot multi-target dynamic path planning using artificial bee colony and evolutionary programming in unknown environment. Intelligent Service Robotics, 2018, 11, 171-186.	1.6	43
6	Mobile Robot Navigation Control in Moving Obstacle Environment Using Genetic Algorithm, Artificial Neural Networks and A* Algorithm. , 2009, , .		37
7	DYNAMIC ENVIRONMENT ROBOT PATH PLANNING USING HIERARCHICAL EVOLUTIONARY ALGORITHMS. Cybernetics and Systems, 2010, 41, 435-454.	1.6	37
8	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.	1.5	37
9	Accelerating Artificial Bee Colony algorithm with adaptive local search. Memetic Computing, 2015, 7, 215-230.	2.7	36
10	Diagnosis of Thyroid Disorders using Artificial Neural Networks. , 2009, , .		33
11	Sentiment analysis and text summarization of online reviews: A survey. , 2016, , .		27
12	Diagnosis of breast cancer by modular evolutionary neural networks. International Journal of Biomedical Engineering and Technology, 2011, 7, 194.	0.2	26
13	Fuzzy Neuro Systems for Machine Learning for Large Data Sets. , 2009, , .		25
14	Robotic path planning using evolutionary momentum-based exploration. Journal of Experimental and Theoretical Artificial Intelligence, 2011, 23, 469-495.	1.8	24
15	Artificial bee colony algorithm with global and local neighborhoods. International Journal of Systems Assurance Engineering and Management, 2018, 9, 589-601.	1.5	24
16	Survey of robotic arm and parameters. , 2016, , .		22
17	Knowledge Based Approach for Diagnosis of Breast Cancer. , 2009, , .		18
18	Sequential combination of statistics, econometrics and Adaptive Neural-Fuzzy Interface for stock market prediction. Expert Systems With Applications, 2010, 37, 5116-5125.	4.4	18

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19	Optimal power flow using artificial bee colony algorithm with global and local neighborhoods. International Journal of Systems Assurance Engineering and Management, 2017, 8, 2158-2169.	1.5	18
20	Comparative analysis of intelligent hybrid systems for detection of PIMA indian diabetes. , 2009, , .		16
21	Modified A* Algorithm for Mobile Robot Path Planning. Studies in Computational Intelligence, 2012, , 183-193.	0.7	16
22	Expert system for breast cancer diagnosis: A survey. , 2016, , .		16
23	Intelligent Decision Support System for Breast Cancer. Lecture Notes in Computer Science, 2010, , 351-358.	1.0	14
24	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	13
25	Clinical Decision Support System for Fetal Delivery Using Artificial Neural Network. , 2009, , .		13
26	Multi-Robot Exploration in Wireless Environments. Cognitive Computation, 2012, 4, 526-542.	3.6	13
27	Multi robot area exploration using nature inspired algorithm. Biologically Inspired Cognitive Architectures, 2016, 18, 80-94.	0.9	13
28	A Focused Wave Front Algorithm for Mobile Robot Path Planning. Lecture Notes in Computer Science, 2011, , 190-197.	1.0	13
29	Text-Dependent Multilingual Speaker Identification for Indian Languages Using Artificial Neural Network. , 2010, , .		12
30	Self Adaptive Acceleration Factor in Particle Swarm Optimization. Advances in Intelligent Systems and Computing, 2013, , 325-340.	0.5	12
31	Communication constraints multi-agent territory exploration task. Applied Intelligence, 2013, 38, 357-383.	3.3	12
32	Robotic path planning using multi neuron heuristic search. , 2009, , .		11
33	Multi Robot Area Exploration Using Circle Partitioning Method. Procedia Engineering, 2012, 41, 383-387.	1.2	11
34	A survey on multi robots area exploration techniques and algorithms. , 2016, , .		11
35	Mobile Robot Navigation Control in Moving Obstacle Environment Using A. , 0, , 113-120.		11
36	Face Recognition using morphological method. , 2009, , .		9

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37	Expedited Artificial Bee Colony Algorithm. Advances in Intelligent Systems and Computing, 2014, , 787-800.	0.5	9
38	Clustering-based hierarchical genetic algorithm for complex fitness landscapes. International Journal of Intelligent Systems Technologies and Applications, 2010, 9, 185.	0.2	8
39	Diagnosis of breast cancer by modular neural network. , 2010, , .		8
40	Improving network security and design using honeypots. , 2012, , .		8
41	Robot Path Planning using Dynamic Programming with Accelerating Nodes. Paladyn, 2012, 3, .	1.9	8
42	Escalated convergent artificial bee colony. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 181-200.	1.8	8
43	Intelligent Movie Recommender System Using Machine Learning. Lecture Notes in Computer Science, 2017, , 94-110.	1.0	8
44	Comparative study of frontier based exploration methods. , 2017, , .		8
45	Intelligent System for the Diagnosis of Epilepsy. , 2009, , .		7
46	Fusion of Evolutionary Algorithms and Multi-Neuron Heuristic Search for robotic path planning. , 2009, , .		7
47	Hybrid computing based intelligent system for breast cancer diagnosis. International Journal of Biomedical Engineering and Technology, 2012, 10, 1.	0.2	7
48	Modular Neural Networks. Studies in Computational Intelligence, 2010, , 307-335.	0.7	7
49	Multi Robot Exploration Using a Modified A* Algorithm. Lecture Notes in Computer Science, 2011, , 506-516.	1.0	7
50	Intelligent Biometric System. Journal of Information Technology Research, 2008, 1, 41-56.	0.3	6
51	Expert System for Speaker Identification Using Lip Features with PCA. , 2010, , .		6
52	Area Exploration by Flocking of Multi Robot. Procedia Engineering, 2012, 41, 377-382.	1.2	6
53	Navigation in Multi Robot system using cooperative learning: A survey. , 2016, , .		6
54	A Novel Approach to Classificatory Problem using Grammatical Evolution based Hybrid Algorithm. International Journal of Computer Applications, 2010, 1, 73-80.	0.2	6

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55	Evolving robotic path with genetically optimised fuzzy planner. International Journal of Computational Vision and Robotics, 2010, 1, 415.	0.2	5
56	Multi Robot Exploration through Pruning Frontiers. Advanced Materials Research, 2012, 462, 609-616.	0.3	5
57	Robotic path planning using hybrid genetic algorithm particle swarm optimisation. International Journal of Information and Communication Technology, 2012, 4, 89.	0.1	5
58	Multi Objective optimization based Path Planning in robotics using nature inspired algorithms: A survey. , 2016, , .		5
59	A New Heuristic Channel Assignment in Cellular Networks. , 2009, , .		4
60	Multimodal Biometric Systems. Studies in Computational Intelligence, 2010, , 401-418.	0.7	4
61	A novel approach to classificatory problem using neuro-fuzzy architecture. International Journal of Systems, Control and Communications, 2011, 3, 259.	0.2	4
62	Canopy Clustering Based Multi Robot Area Exploration. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 505-510.	0.4	4
63	Handling Large Medical Data Sets for Disease Detection. Advances in Bioinformatics and Biomedical Engineering Book Series, 2011, , 162-176.	0.2	4
64	Fast Learning Neural Network Using Modified Corners Algorithm. , 2009, , .		3
65	Breast cancer diagnostic system using Symbiotic Adaptive Neuro-evolution (SANE). , 2010, , .		3
66	Frontal view gait based recognition using PCA. , 2011, , .		3
67	Financial Time Series Volatility Forecast Using Evolutionary Hybrid Artificial Neural Network. Communications in Computer and Information Science, 2011, , 463-471.	0.4	3
68	View variations effect in gait recognition and performance improvement using fusion. , 2012, , .		3
69	River water quality analysis and treatment using soft computing technique: A survey. , 2016, , .		3
70	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.	0.5	3
71	CBDF Based Cooperative Multi Robot Target Searching and Tracking Using BA. Smart Innovation, Systems and Technologies, 2015, , 373-384.	0.5	3
72	Hybrid Intelligent Systems for Medical Diagnosis. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 187-202.	0.2	3

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73	Multi Lingual Character Recognition Using Hierarchical Rule Based Classification and Artificial Neural Network. Lecture Notes in Computer Science, 2009, , 821-830.	1.0	3
74	Chapter 15 Hybridizing Neural and Fuzzy Systems. Studies in Computational Intelligence, 2010, , 337-359.	0.7	3
75	Genetic Programming. Studies in Computational Intelligence, 2010, , 209-234.	0.7	3
76	Decision Support System for Fetal Delivery Using Soft Computing Techniques. , 2009, , .		2
77	Neuro-fuzzy-based biometric system using speech features. International Journal of Biometrics, 2010, 2, 391.	0.3	2
78	Financial Time Series Forecast Using Neural Network Ensembles. Lecture Notes in Computer Science, 2011, , 480-488.	1.0	2
79	Modular symbiotic adaptive neuro evolution for high dimensionality classificatory problems. Intelligent Decision Technologies, 2011, 5, 309-319.	0.6	2
80	Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks. Journal of Information Technology Research, 2011, 4, 34-47.	0.3	2
81	Multi-robot exploration using wave front algorithm. International Journal of Rapid Manufacturing, 2011, 2, 280.	0.5	2
82	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.	0.1	2
83	Multi Robot Path Planning for Known and Unknown Target Using Bacteria Foraging Algorithm. Lecture Notes in Computer Science, 2015, , 674-685.	1.0	2
84	RGBCA-genetic bee colony algorithm for travelling salesman problem. , 2011, , .		1
85	Discrete optimization problem solving with three variants of hybrid binary particle swarm optimization. , 2011, , .		1
86	MDABC. Journal of Information Technology Research, 2012, 5, 30-47.	0.3	1
87	Multi-Robot Navigation in Unknown Environment Using Strawberry Algorithm. International Journal of Robotics Applications and Technologies, 2017, 5, 63-81.	0.4	1
88	Genetic Algorithm. Studies in Computational Intelligence, 2010, , 59-82.	0.7	1
89	Optimized Graph Search Using Multi-Level Graph Clustering. Communications in Computer and Information Science, 2009, , 103-114.	0.4	1
90	Priority Based Multi Robot Task Assignment. Lecture Notes in Computer Science, 2012, , 554-563.	1.0	1

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91	Fusion of Gravitational Search Algorithm, Particle Swarm Optimization, and Grey Wolf Optimizer for Odor Source Localization. Advances in Computational Intelligence and Robotics Book Series, 0, , 276-302.	0.4	1
92	Evolutionary Strategies. Studies in Computational Intelligence, 2010, , 235-247.	0.7	0
93	Efficient strategy for co-ordinated multirobot exploration. , 2012, , .		0
94	An energy efficient platform for mobile robot. , 2012, , .		0
95	Acoustic modeling using state projection vectors of subspace Gaussian mixture model to train deep neural network on entropy maximized Hindi dataset. , 2016, , .		0
96	A hybrid EVSA approach in clustered search space with ad-hoc partitioning for multi-robot searching. Evolutionary Intelligence, 2020, 13, 551-570.	2.3	0
97	Multi Lingual Speaker Recognition Using Artificial Neural Network. Advances in Intelligent and Soft Computing, 2009, , 1-9.	0.2	0
98	Evolutionary Neural and Fuzzy Systems. Studies in Computational Intelligence, 2010, , 277-306.	0.7	0
99	Swarm Intelligence. Studies in Computational Intelligence, 2010, , 187-207.	0.7	0
100	Parallel and Hierarchical Evolutionary Algorithms. Studies in Computational Intelligence, 2010, , 361-381.	0.7	0
101	Adaptive Systems. Studies in Computational Intelligence, 2010, , 421-431.	0.7	0
102	Intelligent System Design in Speech. Studies in Computational Intelligence, 2010, , 129-151.	0.7	0
103	Intelligent Systems Design in Music. Studies in Computational Intelligence, 2010, , 153-173.	0.7	0
104	Other Evolutionary Concepts. Studies in Computational Intelligence, 2010, , 249-273.	0.7	0
105	Intelligent System Design in Face. Studies in Computational Intelligence, 2010, , 175-184.	0.7	0
106	Fusion Methods in Biometrics. Studies in Computational Intelligence, 2010, , 385-399.	0.7	0
107	A Programmerâ€™s Approach. Studies in Computational Intelligence, 2010, , 441-460.	0.7	0
108	A Taxonomy of Models. Studies in Computational Intelligence, 2010, , 433-439.	0.7	0

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109	Assignment and Navigation Framework for Multiple Travelling Robots. Communications in Computer and Information Science, 2011, , 513-523.	0.4	0
110	Intelligent Decision Support System for Fetal Delivery using Soft Computing Techniques. Advances in Bioinformatics and Biomedical Engineering Book Series, 2011, , 145-161.	0.2	0
111	A Comparative Study on Different Biometric Modals Using PCA. Advances in Intelligent and Soft Computing, 2012, , 549-557.	0.2	0
112	Intelligent Decision Support System for Fetal Delivery using Soft Computing Techniques. , 2013, , 1114-1130.		0
113	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.	0.4	0
114	Optimization of Focused Wave Front Algorithm in Unknown Dynamic Environment for Multi-Robot Navigation. , 2019, , 553-581.		0
115	Hybrid Evolutionary Methods. , 2019, , 295-336.		0
116	Multi-Robot Navigation in Unknown Environment Using Strawberry Algorithm. , 2020, , 1121-1142.		0
117	Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks. , 0, , 34-47.		0