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	Particle swarm optimization and feature selection for intrusion detection system. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	0.8	58
2	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
3	Multi-Robot Navigation in Unknown Environment Using Strawberry Algorithm. , 2020, , 1121-1142.		0
4	Optimization of Focused Wave Front Algorithm in Unknown Dynamic Environment for Multi-Robot Navigation. , 2019, , 553-581.		0
5	Hybrid Evolutionary Methods. , 2019, , 295-336.		0
6	Artificial bee colony algorithm with global and local neighborhoods. International Journal of Systems Assurance Engineering and Management, 2018, 9, 589-601.	1.5	24
7	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
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	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
10	Intelligent Movie Recommender System Using Machine Learning. Lecture Notes in Computer Science, 2017, , 94-110.	1.0	8
11	Comparative study of frontier based exploration methods. , 2017, , .		8
12	Multi-Robot Navigation in Unknown Environment Using Strawberry Algorithm. International Journal of Robotics Applications and Technologies, 2017, 5, 63-81.	0.4	1
13	Multi Objective optimization based Path Planning in robotics using nature inspired algorithms: A survey. , 2016, , .		5
14	Sentiment analysis and text summarization of online reviews: A survey. , 2016, , .		27
15	Acoustic modeling using state projection vectors of subspace Gaussian mixture model to train deep neural network on entropy maximized Hindi dataset. , 2016, , .		0
16	A survey on multi robots area exploration techniques and algorithms. , 2016, , .		11
17	Multi robot area exploration using nature inspired algorithm. Biologically Inspired Cognitive Architectures, 2016, 18, 80-94.	0.9	13
18	Navigation in Multi Robot system using cooperative learning: A survey. , 2016, , .		6

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19	Expert system for breast cancer diagnosis: A survey. , 2016, , .		16
20	Survey of robotic arm and parameters. , 2016, , .		22
21	River water quality analysis and treatment using soft computing technique: A survey. , 2016, , .		3
22	Escalated convergent artificial bee colony. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 181-200.	1.8	8
23	Accelerating Artificial Bee Colony algorithm with adaptive local search. Memetic Computing, 2015, 7, 215-230.	2.7	36
24	Multi Robot Path Planning for Known and Unknown Target Using Bacteria Foraging Algorithm. Lecture Notes in Computer Science, 2015, , 674-685.	1.0	2
25	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
26	CBDF Based Cooperative Multi Robot Target Searching and Tracking Using BA. Smart Innovation, Systems and Technologies, 2015, , 373-384.	0.5	3
27	Canopy Clustering Based Multi Robot Area Exploration. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 505-510.	0.4	4
28	Expedited Artificial Bee Colony Algorithm. Advances in Intelligent Systems and Computing, 2014, , 787-800.	0.5	9
29	Self Adaptive Acceleration Factor in Particle Swarm Optimization. Advances in Intelligent Systems and Computing, 2013, , 325-340.	0.5	12
30	Communication constraints multi-agent territory exploration task. Applied Intelligence, 2013, 38, 357-383.	3.3	12
31	Intelligent Decision Support System for Fetal Delivery using Soft Computing Techniques. , 2013, , 1114-1130.		0
32	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
33	Multi Robot Exploration through Pruning Frontiers. Advanced Materials Research, 2012, 462, 609-616.	0.3	5
34	View variations effect in gait recognition and performance improvement using fusion. , 2012, , .		3
35	Efficient strategy for co-ordinated multirobot exploration. , 2012, , .		0
36	Hybrid computing based intelligent system for breast cancer diagnosis. International Journal of Biomedical Engineering and Technology, 2012, 10, 1.	0.2	7

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37	Robotic path planning using hybrid genetic algorithm particle swarm optimisation. International Journal of Information and Communication Technology, 2012, 4, 89.	0.1	5
38	Multi-Robot Exploration in Wireless Environments. Cognitive Computation, 2012, 4, 526-542.	3.6	13
39	Area Exploration by Flocking of Multi Robot. Procedia Engineering, 2012, 41, 377-382.	1.2	6
40	Multi Robot Area Exploration Using Circle Partitioning Method. Procedia Engineering, 2012, 41, 383-387.	1.2	11
41	Improving network security and design using honeypots. , 2012, , .		8
42	Modified A* Algorithm for Mobile Robot Path Planning. Studies in Computational Intelligence, 2012, , 183-193.	0.7	16
43	MDABC. Journal of Information Technology Research, 2012, 5, 30-47.	0.3	1
44	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
45	An energy efficient platform for mobile robot. , 2012, , .		0
46	Robot Path Planning using Dynamic Programming with Accelerating Nodes. Paladyn, 2012, 3, .	1.9	8
47	A Comparative Study on Different Biometric Modals Using PCA. Advances in Intelligent and Soft Computing, 2012, , 549-557.	0.2	0
48	Priority Based Multi Robot Task Assignment. Lecture Notes in Computer Science, 2012, , 554-563.	1.0	1
49	RGBCA-genetic bee colony algorithm for travelling salesman problem. , 2011, , .		1
50	Financial Time Series Forecast Using Neural Network Ensembles. Lecture Notes in Computer Science, 2011, , 480-488.	1.0	2
51	Modular symbiotic adaptive neuro evolution for high dimensionality classificatory problems. Intelligent Decision Technologies, 2011, 5, 309-319.	0.6	2
52	Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks. Journal of Information Technology Research, 2011, 4, 34-47.	0.3	2
53	Multi-robot exploration using wave front algorithm. International Journal of Rapid Manufacturing, 2011, 2, 280.	0.5	2
54	A novel approach to classificatory problem using neuro-fuzzy architecture. International Journal of Systems, Control and Communications, 2011, 3, 259.	0.2	4

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55	Diagnosis of breast cancer by modular evolutionary neural networks. International Journal of Biomedical Engineering and Technology, 2011, 7, 194.	0.2	26
56	Frontal view gait based recognition using PCA. , 2011, , .		3
57	Robotic path planning in static environment using hierarchical multi-neuron heuristic search and probability based fitness. Neurocomputing, 2011, 74, 2314-2335.	3.5	50
58	Financial Time Series Volatility Forecast Using Evolutionary Hybrid Artificial Neural Network. Communications in Computer and Information Science, 2011, , 463-471.	0.4	3
59	Robotic path planning using evolutionary momentum-based exploration. Journal of Experimental and Theoretical Artificial Intelligence, 2011, 23, 469-495.	1.8	24
60	Discrete optimization problem solving with three variants of hybrid binary particle swarm optimization. , 2011, , .		1
61	Multi Robot Exploration Using a Modified A* Algorithm. Lecture Notes in Computer Science, 2011, , 506-516.	1.0	7
62	A Focused Wave Front Algorithm for Mobile Robot Path Planning. Lecture Notes in Computer Science, 2011, , 190-197.	1.0	13
63	Handling Large Medical Data Sets for Disease Detection. Advances in Bioinformatics and Biomedical Engineering Book Series, 2011, , 162-176.	0.2	4
64	Assignment and Navigation Framework for Multiple Travelling Robots. Communications in Computer and Information Science, 2011, , 513-523.	0.4	0
65	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
66	Evolving robotic path with genetically optimised fuzzy planner. International Journal of Computational Vision and Robotics, 2010, 1, 415.	0.2	5
67	Clustering-based hierarchical genetic algorithm for complex fitness landscapes. International Journal of Intelligent Systems Technologies and Applications, 2010, 9, 185.	0.2	8
68	Neuro-fuzzy-based biometric system using speech features. International Journal of Biometrics, 2010, 2, 391.	0.3	2
69	Fusion of probabilistic A* algorithm and fuzzy inference system for robotic path planning. Artificial Intelligence Review, 2010, 33, 307-327.	9.7	114
70	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
71	Multimodal Biometric Systems. Studies in Computational Intelligence, 2010, , 401-418.	0.7	4
72	Breast cancer diagnostic system using Symbiotic Adaptive Neuro-evolution (SANE). , 2010, , .		3

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73	DYNAMIC ENVIRONMENT ROBOT PATH PLANNING USING HIERARCHICAL EVOLUTIONARY ALGORITHMS. Cybernetics and Systems, 2010, 41, 435-454.	1.6	37
74	Text-Dependent Multilingual Speaker Identification for Indian Languages Using Artificial Neural Network. , 2010, , .		12
75	Evolutionary Strategies. Studies in Computational Intelligence, 2010, , 235-247.	0.7	0
76	Diagnosis of breast cancer by modular neural network. , 2010, , .		8
77	Breast cancer diagnosis using Artificial Neural Network models. , 2010, , .		48
78	Expert System for Speaker Identification Using Lip Features with PCA. , 2010, , .		6
79	Intelligent Decision Support System for Breast Cancer. Lecture Notes in Computer Science, 2010, , 351-358.	1.0	14
80	Modular Neural Networks. Studies in Computational Intelligence, 2010, , 307-335.	0.7	7
81	Genetic Algorithm. Studies in Computational Intelligence, 2010, , 59-82.	0.7	1
82	Evolutionary Neural and Fuzzy Systems. Studies in Computational Intelligence, 2010, , 277-306.	0.7	0
83	Chapter 15 Hybridizing Neural and Fuzzy Systems. Studies in Computational Intelligence, 2010, , 337-359.	0.7	3
84	Swarm Intelligence. Studies in Computational Intelligence, 2010, , 187-207.	0.7	0
85	Parallel and Hierarchical Evolutionary Algorithms. Studies in Computational Intelligence, 2010, , 361-381.	0.7	0
86	Adaptive Systems. Studies in Computational Intelligence, 2010, , 421-431.	0.7	0
87	Intelligent System Design in Speech. Studies in Computational Intelligence, 2010, , 129-151.	0.7	0
88	Intelligent Systems Design in Music. Studies in Computational Intelligence, 2010, , 153-173.	0.7	0
89	Other Evolutionary Concepts. Studies in Computational Intelligence, 2010, , 249-273.	0.7	0
90	Intelligent System Design in Face. Studies in Computational Intelligence, 2010, , 175-184.	0.7	0

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91	Genetic Programming. Studies in Computational Intelligence, 2010, , 209-234.	0.7	3
92	Fusion Methods in Biometrics. Studies in Computational Intelligence, 2010, , 385-399.	0.7	0
93	A Programmerâ€™s Approach. Studies in Computational Intelligence, 2010, , 441-460.	0.7	0
94	A Taxonomy of Models. Studies in Computational Intelligence, 2010, , 433-439.	0.7	0
95	A Novel Approach to Classificatory Problem using Grammatical Evolution based Hybrid Algorithm. International Journal of Computer Applications, 2010, 1, 73-80.	0.2	6
96	Clinical Decision Support System for Fetal Delivery Using Artificial Neural Network. , 2009, , .		13
97	Decision Support System for Fetal Delivery Using Soft Computing Techniques. , 2009, , .		2
98	Mobile Robot Navigation Control in Moving Obstacle Environment Using Genetic Algorithm, Artificial Neural Networks and A* Algorithm. , 2009, , .		37
99	Fast Learning Neural Network Using Modified Corners Algorithm. , 2009, , .		3
100	Robotic path planning using multi neuron heuristic search. , 2009, , .		11
101	Intelligent System for the Diagnosis of Epilepsy. , 2009, , .		7
102	Fuzzy Neuro Systems for Machine Learning for Large Data Sets. , 2009, , .		25
103	Diagnosis of Thyroid Disorders using Artificial Neural Networks. , 2009, , .		33
104	Fusion of Evolutionary Algorithms and Multi-Neuron Heuristic Search for robotic path planning. , 2009, , .		7
105	Face Recognition using morphological method. , 2009, , .		9
106	Knowledge Based Approach for Diagnosis of Breast Cancer. , 2009, , .		18
107	A New Heuristic Channel Assignment in Cellular Networks. , 2009, , .		4
108	Comparative analysis of intelligent hybrid systems for detection of PIMA indian diabetes. , 2009, , .		16

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109	Multi Lingual Character Recognition Using Hierarchical Rule Based Classification and Artificial Neural Network. Lecture Notes in Computer Science, 2009, , 821-830.	1.0	3
110	Multi Lingual Speaker Recognition Using Artificial Neural Network. Advances in Intelligent and Soft Computing, 2009, , 1-9.	0.2	0
111	Optimized Graph Search Using Multi-Level Graph Clustering. Communications in Computer and Information Science, 2009, , 103-114.	0.4	1
112	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
113	Intelligent Biometric System. Journal of Information Technology Research, 2008, 1, 41-56.	0.3	6
114	Mobile Robot Navigation Control in Moving Obstacle Environment Using A. , 0, , 113-120.		11
115	Hybrid Intelligent Systems for Medical Diagnosis. Advances in Bioinformatics and Biomedical Engineering Book Series, 0, , 187-202.	0.2	3
116	Breast Cancer Diagnosis Using Optimized Attribute Division in Modular Neural Networks. , 0, , 34-47.		0
117	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