

# Pradipta Das

## 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.

31  
papers

446  
citations

10  
h-index

21  
g-index

35  
ext. papers

598  
ext. citations

2.3  
avg, IF

4.55  
L-index

#	Paper	IF	Citations
31	Multi-robot co-operation for stick carrying application using hybridization of meta-heuristic algorithm. <i>Mathematics and Computers in Simulation</i> , <b>2022</b> , 195, 197-226	3.3	0
30	Water supply monitoring system with self-powered LoRa based wireless sensor system powered by solar and hydroelectric energy harvester. <i>Computer Standards and Interfaces</i> , <b>2022</b> , 82, 103630	3.5	1
29	Multi-robot cooperation and path planning for stick transporting using improved Q-learning and democratic robotics PSO. <i>Journal of Computational Science</i> , <b>2022</b> , 60, 101637	3.4	3
28	Heuristic Based SCA for Twin Robot Cooperation and Path Planning. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 77-89	0.5	
27	Prevention of Covid-19 affected patient using multi robot cooperation and Q-learning approach: a solution. <i>Quality and Quantity</i> , <b>2021</b> , 1-29	2.4	1
26	Cuckoo Search Applied Path Planning of Twin Robot in Multi-Robot Environment. <i>Lecture Notes in Networks and Systems</i> , <b>2021</b> , 39-50	0.5	
25	Hybridization of meta-heuristic algorithm for load balancing in cloud computing environment. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2020</b> ,	2.5	30
24	Multi-robot path planning using improved particle swarm optimization algorithm through novel evolutionary operators. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 92, 106312	7.5	33
23	Mobile Robot Path-Planning Using Oppositional-Based Improved Firefly Algorithm Under Cluttered Environment. <i>Lecture Notes in Networks and Systems</i> , <b>2020</b> , 141-151	0.5	
22	Hybrid Energy Harvesting for Maximizing Lifespan and Sustainability of Wireless Sensor Networks: A Comprehensive Review & Proposed Systems <b>2020</b> ,		1
21	Hybridization of Kidney-Inspired and SineCosine Algorithm for Multi-robot Path Planning. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 2883-2900	2.5	8
20	Hybridization of IWO and IPSO for mobile robots navigation in a dynamic environment. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2020</b> , 32, 1020-1033	2.5	9
19	Hybrid IWD-DE: A Novel Approach to Model Cooperative Navigation Planning for Multi-robot in Unknown Dynamic Environment. <i>Journal of Bionic Engineering</i> , <b>2019</b> , 16, 235-252	2.7	12
18	Cooperative Navigation Planning of Multiple Mobile Robots Using Improved Krill Herd. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 7869-7891	2.5	11
17	Optimal path planning for mobile robots using oppositional invasive weed optimization. <i>Computational Intelligence</i> , <b>2018</b> , 34, 1072-1100	2.5	14
16	Cooperation of multi-robots for obstacle avoidance in clutter environment using differential evolutionary algorithm <b>2017</b> ,		2
15	Improved real time A*-fuzzy controller for improving multi-robot navigation and its performance analysis. <i>International Journal of Data Science</i> , <b>2017</b> , 2, 105	0.3	2

14	A hybrid improved PSO-DV algorithm for multi-robot path planning in a clutter environment. <i>Neurocomputing</i> , <b>2016</b> , 207, 735-753	5.4	68
13	A hybridization of an improved particle swarm optimization and gravitational search algorithm for multi-robot path planning. <i>Swarm and Evolutionary Computation</i> , <b>2016</b> , 28, 14-28	9.8	145
12	Intelligent-based multi-robot path planning inspired by improved classical Q-learning and improved particle swarm optimization with perturbed velocity <b>2016</b> , 19, 651-669		31
11	An intelligent multi-robot path planning in a dynamic environment using improved gravitational search algorithm. <i>International Journal of Automation and Computing</i> , <b>2016</b> , 1	3.5	3
10	An improved particle swarm optimization for multi-robot path planning <b>2016</b> ,		7
9	Multi-robot path planning in a dynamic environment using improved gravitational search algorithm. <i>Journal of Electrical Systems and Information Technology</i> , <b>2016</b> , 3, 295-313	2	34
8	A Modified Real Time A* Algorithm and Its Performance Analysis for Improved Path Planning of Mobile Robot. <i>Smart Innovation, Systems and Technologies</i> , <b>2015</b> , 221-234	0.5	5
7	An improved gravitational search algorithm and its performance analysis for multi-robot path planning <b>2015</b> ,		2
6	Artificial Immune System Based Path Planning of Mobile Robot. <i>Studies in Computational Intelligence</i> , <b>2012</b> , 195-207	0.8	15
5	An Adaptive Call Admission Control in WiMAX Networks with Fair Trade off Analysis. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2012</b> , 426-430	0.3	0.3
4	Conditional Q-learning algorithm for path-planning of a mobile robot <b>2010</b> ,		2
3	Visual perception-based motion planning using road map. <i>International Journal of Computational Vision and Robotics</i> , <b>2010</b> , 1, 430	0.7	1
2	Extended Q-Learning Algorithm for Path-Planning of a Mobile Robot. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 379-383	0.9	5
1	Multi-robot cooperation and performance analysis with particle swarm optimization variants. <i>Multimedia Tools and Applications</i> ,1	2.5	1