

Deepak B B V L

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.

52 papers	883 citations	15 h-index	29 g-index
53 ext. papers	1,176 ext. citations	1.8 avg, IF	5.21 L-index

#	Paper	IF	Citations
52	Optimal path planning of mobile robot using the hybrid cuckooBat algorithm in assorted environment. <i>International Journal of Intelligent Unmanned Systems</i> , 2019 , 7, 35-52	0.9	8
51	Integrated Design for Assembly Approach Using Ant Colony Optimization Algorithm for Optimal Assembly Sequence Planning. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 249-259	0.4	4
50	Hybridized CuckooBat Algorithm for Optimal Assembly Sequence Planning. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 627-638	0.4	2
49	Design for Assembly Approach for Energy-Efficient Optimal Assembly Sequence Planning Using Improved Firefly Algorithm. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 665-675	0.5	1
48	Advances in weld seam tracking techniques for robotic welding: A review. <i>Robotics and Computer-Integrated Manufacturing</i> , 2019 , 56, 12-37	9.2	77
47	Prediction of Inverse Kinematics for a 6-DOF Industrial Robot Arm Using Soft Computing Techniques. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 519-530	0.4	2
46	New Strategy for Mobile Robot Navigation Using Fuzzy Logic. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 1-8	0.4	
45	A New Safety Design of the Ceiling Fan to Avoid Suicidal Cases. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 715-724	0.5	1
44	Assembly sequence planning using soft computing methods: A review. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2019 , 233, 653-683	1.5	17
43	An Optimal Robotic Assembly Sequence Planning by Assembly Subsets Detection Method Using Teaching Learning-Based Optimization Algorithm. <i>IEEE Transactions on Automation Science and Engineering</i> , 2018 , 15, 1369-1385	4.9	28
42	Design Optimization of Robotic Gripper Links Using Accelerated Particle Swarm Optimization Technique. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 337-345	0.4	2
41	An Optimal Image Processing Method for Simultaneous Detection of Weld Seam Position and Weld Gap in Robotic Arc Welding. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2018 , 8, 37-53	0.5	3
40	Optimal Path Planning of Mobile Robot Using Hybrid Cuckoo Search-Bat Algorithm. <i>Procedia Computer Science</i> , 2018 , 133, 510-517	1.6	31
39	Robotic Optimal Assembly Sequence Using Improved Cuckoo Search Algorithm. <i>Procedia Computer Science</i> , 2018 , 133, 323-330	1.6	2
38	Review on Application of Drone Systems in Precision Agriculture. <i>Procedia Computer Science</i> , 2018 , 133, 502-509	1.6	245
37	Optimal time-jerk trajectory planning of 6 axis welding robot using TLBO method. <i>Procedia Computer Science</i> , 2018 , 133, 537-544	1.6	9
36	Application of Hybrid Nelder-Mead Bat Algorithm to Improve the Grasp Quality during the Automated Robotic Grasping. <i>Procedia Computer Science</i> , 2018 , 133, 612-619	1.6	

35	Modified BAT Algorithm for Optimum Assembly Sequence Planning. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 377, 012091	0.4	1
34	Energy Efficient Disassembly Sequence Generation Using Subassembly Detection Method with Environmental and Economic Parts Selection. <i>Journal of Advanced Manufacturing Systems</i> , 2018 , 17, 353-373	1.8	3
33	A smart prediction tool for estimating heat transfer and overall pressure drop from shell-and-tube heat exchanger. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2017 , 231, 1053-1062	1.5	
32	Estimation and optimization of heat transfer and overall pressure drop for a shell and tube heat exchanger. <i>Journal of Mechanical Science and Technology</i> , 2017 , 31, 375-383	1.6	4
31	Computer aided weld seam tracking approach. <i>Journal of Engineering, Design and Technology</i> , 2017 , 15, 31-43	1.5	2
30	Numerical analysis for force distribution along the swing jaw plate of a single toggle jaw crusher. <i>World Journal of Engineering</i> , 2017 , 14, 255-260	1.8	1
29	Multi-objective optimization of ethanol fuelled HCCI engine performance using hybrid GRNN-PSO. <i>Applied Energy</i> , 2017 , 187, 601-611	10.7	70
28	Development of a path follower in real-time environment. <i>World Journal of Engineering</i> , 2017 , 14, 297-306	1.8	3
27	Development of a General Search Based Path Follower in Real Time Environment. <i>Lecture Notes in Electrical Engineering</i> , 2017 , 315-322	0.2	
26	Optimal Assembly Sequence Planning Using Hybridized Immune-Simulated Annealing Technique. <i>Materials Today: Proceedings</i> , 2017 , 4, 8313-8322	1.4	10
25	Hybridized genetic-immune based strategy to obtain optimal feasible assembly sequences. <i>International Journal of Industrial Engineering Computations</i> , 2017 , 333-346	1.7	11
24	GRNN-Immune Based Strategy for Estimating and Optimizing the Vibratory Assisted Welding Parameters to Produce Quality Welded Joints. <i>Engineering Journal</i> , 2017 , 21, 251-267	1.8	2
23	Optimal Assembly Sequence Planning Towards Design for Assembly Using Simulated Annealing Technique. <i>Smart Innovation, Systems and Technologies</i> , 2017 , 397-407	0.5	5
22	Development of obstacle- avoiding robots using RF technology. <i>International Journal of Intelligent Unmanned Systems</i> , 2016 , 4, 214-225	0.9	
21	Development of in-pipe robots for inspection and cleaning tasks. <i>International Journal of Intelligent Unmanned Systems</i> , 2016 , 4, 182-210	0.9	7
20	Application of GRNN for the prediction of performance and exhaust emissions in HCCI engine using ethanol. <i>Energy Conversion and Management</i> , 2016 , 122, 165-173	10.6	69
19	A Note on Mechanical Feasibility Predicate for Robotic Assembly Sequence Generation. <i>Lecture Notes in Mechanical Engineering</i> , 2016 , 397-404	0.4	15
18	Control of an automated mobile manipulator using artificial immune system. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2016 , 28, 417-439	2	29

17	Weld Seam Tracking and Simulation of 3-Axis Robotic Arm for Performing Welding Operation in CAD Environment. <i>Lecture Notes in Mechanical Engineering</i> , 2016 , 405-415	0.4	4
16	Kinematic Control of a Mobile Manipulator. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 339-346	0.2	
15	Kinematic Modeling and Simulation of Manipulator for Executing Welding Operations with Arbitrary Weld Joint Profiles. <i>Lecture Notes in Electrical Engineering</i> , 2016 , 291-299	0.2	
14	An advanced immune based strategy to obtain an optimal feasible assembly sequence. <i>Assembly Automation</i> , 2016 , 36, 127-137	2.1	37
13	Design of Intangible Interface for Mouseless Computer Handling using Hand Gestures. <i>Procedia Computer Science</i> , 2016 , 79, 287-292	1.6	4
12	A survey on design and development of an unmanned aerial vehicle (quadcopter). <i>International Journal of Intelligent Unmanned Systems</i> , 2016 , 4, 70-106	0.9	9
11	Obtaining hand gesture parameters using image processing 2015 ,		3
10	Real-time object detection and Tracking using color feature and motion 2015 ,		18
9	PSO based system architecture for path planning of mobile robot in dynamic environment 2015 ,		7
8	Design and Ergonomic Evaluation of Multipurpose Student's Bed. <i>Smart Innovation, Systems and Technologies</i> , 2015 , 421-430	0.5	1
7	Advance Particle Swarm Optimization-Based Navigational Controller For Mobile Robot. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 6477-6487		45
6	Intelligent adaptive immune-based motion planner of a mobile robot in cluttered environment. <i>Intelligent Service Robotics</i> , 2013 , 6, 155-162	2.6	30
5	Target seeking behaviour of an intelligent mobile robot using advanced particle swarm optimization 2013 ,		7
4	Optimization of robotic assembly sequences using immune based technique. <i>Journal of Manufacturing Technology Management</i> , 2013 , 24, 384-396	7.1	16
3	PSO based path planner of an autonomous mobile robot. <i>Open Computer Science</i> , 2012 , 2,	1.5	11
2	Innate Immune based Path Planner of an Autonomous Mobile Robot. <i>Procedia Engineering</i> , 2012 , 38, 2663-2671		23
1	Immunised Navigational Controller for Mobile Robot Navigation. <i>Studies in Computational Intelligence</i> , 2012 , 171-182	0.8	4