Deepak B B V L

List of Publications by Citations

52	883	15	29
papers	citations	h-index	g-index

53	1,176	1.8	5.21
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
52	Review on Application of Drone Systems in Precision Agriculture. *Procedia Computer Science*, **2018**, 133, 502-509	1.6	245
51	Advances in weld seam tracking techniques for robotic welding: A review. *Robotics and Computer-Integrated Manufacturing*, **2019**, 56, 12-37	9.2	77
50	Multi-objective optimization of ethanol fuelled HCCI engine performance using hybrid GRNN-PSO. *Applied Energy*, **2017**, 187, 601-611	10.7	70
49	Application of GRNN for the prediction of performance and exhaust emissions in HCCI engine using ethanol. *Energy Conversion and Management*, **2016**, 122, 165-173	10.6	69
48	Advance Particle Swarm Optimization-Based Navigational Controller For Mobile Robot. *Arabian Journal for Science and Engineering*, **2014**, 39, 6477-6487		45
47	An advanced immune based strategy to obtain an optimal feasible assembly sequence. *Assembly Automation*, **2016**, 36, 127-137	2.1	37
46	Optimal Path Planning of Mobile Robot Using Hybrid Cuckoo Search-Bat Algorithm. *Procedia Computer Science*, **2018**, 133, 510-517	1.6	31
45	Intelligent adaptive immune-based motion planner of a mobile robot in cluttered environment. *Intelligent Service Robotics*, **2013**, 6, 155-162	2.6	30
44	Control of an automated mobile manipulator using artificial immune system. *Journal of Experimental and Theoretical Artificial Intelligence*, **2016**, 28, 417-439	2	29
43	An Optimal Robotic Assembly Sequence Planning by Assembly Subsets Detection Method Using Teaching Learning-Based Optimization Algorithm. *IEEE Transactions on Automation Science and Engineering*, **2018**, 15, 1369-1385	4.9	28
42	Innate Immune based Path Planner of an Autonomous Mobile Robot. *Procedia Engineering*, **2012**, 38, 2663-2671		23
41	Real-time object detection and Tracking using color feature and motion **2015**,		18
40	Assembly sequence planning using soft computing methods: A review. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, **2019**, 233, 653-683	1.5	17
39	Optimization of robotic assembly sequences using immune based technique. *Journal of Manufacturing Technology Management*, **2013**, 24, 384-396	7.1	16
38	A Note on Mechanical Feasibility Predicate for Robotic Assembly Sequence Generation. *Lecture Notes in Mechanical Engineering*, **2016**, 397-404	0.4	15
37	PSO based path planner of an autonomous mobile robot. *Open Computer Science*, **2012**, 2,	1.5	11
36	Hybridized genetic-immune based strategy to obtain optimal feasible assembly sequences. *International Journal of Industrial Engineering Computations*, **2017**, 333-346	1.7	11

35	Optimal Assembly Sequence Planning Using Hybridized Immune-Simulated Annealing Technique. *Materials Today: Proceedings*, **2017**, 4, 8313-8322	1.4	10
34	A survey on design and development of an unmanned aerial vehicle (quadcopter). *International Journal of Intelligent Unmanned Systems*, **2016**, 4, 70-106	0.9	9
33	Optimal time-jerk trajectory planning of 6 axis welding robot using TLBO method. *Procedia Computer Science*, **2018**, 133, 537-544	1.6	9
32	Optimal path planning of mobile robot using the hybrid cuckoo–bat algorithm in assorted environment. *International Journal of Intelligent Unmanned Systems*, **2019**, 7, 35-52	0.9	8
31	Development of in-pipe robots for inspection and cleaning tasks. *International Journal of Intelligent Unmanned Systems*, **2016**, 4, 182-210	0.9	7
30	PSO based system architecture for path planning of mobile robot in dynamic environment **2015**,		7
29	Target seeking behaviour of an intelligent mobile robot using advanced particle swarm optimization **2013**,		7
28	Optimal Assembly Sequence Planning Towards Design for Assembly Using Simulated Annealing Technique. *Smart Innovation, Systems and Technologies*, **2017**, 397-407	0.5	5
27	Estimation and optimization of heat transfer and overall pressure drop for a shell and tube heat exchanger. *Journal of Mechanical Science and Technology*, **2017**, 31, 375-383	1.6	4
26	Weld Seam Tracking and Simulation of 3-Axis Robotic Arm for Performing Welding Operation in CAD Environment. *Lecture Notes in Mechanical Engineering*, **2016**, 405-415	0.4	4
25	Integrated Design for Assembly Approach Using Ant Colony Optimization Algorithm for Optimal Assembly Sequence Planning. *Advances in Intelligent Systems and Computing*, **2019**, 249-259	0.4	4
24	Immunised Navigational Controller for Mobile Robot Navigation. *Studies in Computational Intelligence*, **2012**, 171-182	0.8	4
23	Design of Intangible Interface for Mouseless Computer Handling using Hand Gestures. *Procedia Computer Science*, **2016**, 79, 287-292	1.6	4
22	Obtaining hand gesture parameters using image processing **2015**,		3
21	Development of a path follower in real-time environment. *World Journal of Engineering*, **2017**, 14, 297-306	0.8	3
20	An Optimal Image Processing Method for Simultaneous Detection of Weld Seam Position and Weld Gap in Robotic Arc Welding. *International Journal of Manufacturing, Materials, and Mechanical Engineering*, **2018**, 8, 37-53	0.5	3
19	Energy Efficient Disassembly Sequence Generation Using Subassembly Detection Method with Environmental and Economic Parts Selection. *Journal of Advanced Manufacturing Systems*, **2018**, 17, 353-373	1.8	3
18	Computer aided weld seam tracking approach. *Journal of Engineering, Design and Technology*, **2017**, 15, 31-43	1.5	2

17	Design Optimization of Robotic Gripper Links Using Accelerated Particle Swarm Optimization Technique. *Advances in Intelligent Systems and Computing*, **2018**, 337-345	0.4	2
16	GRNN-Immune Based Strategy for Estimating and Optimizing the Vibratory Assisted Welding Parameters to Produce Quality Welded Joints. *Engineering Journal*, **2017**, 21, 251-267	1.8	2
15	Hybridized Cuckoo-Bat Algorithm for Optimal Assembly Sequence Planning. *Advances in Intelligent Systems and Computing*, **2019**, 627-638	0.4	2
14	Prediction of Inverse Kinematics for a 6-DOF Industrial Robot Arm Using Soft Computing Techniques. *Advances in Intelligent Systems and Computing*, **2019**, 519-530	0.4	2
13	Robotic Optimal Assembly Sequence Using Improved Cuckoo Search Algorithm. *Procedia Computer Science*, **2018**, 133, 323-330	1.6	2
12	Numerical analysis for force distribution along the swing jaw plate of a single toggle jaw crusher. *World Journal of Engineering*, **2017**, 14, 255-260	1.8	1
11	Design and Ergonomic Evaluation of Multipurpose Student's Bed. *Smart Innovation, Systems and Technologies*, **2015**, 421-430	0.5	1
10	Design for Assembly Approach for Energy-Efficient Optimal Assembly Sequence Planning Using Improved Firefly Algorithm. *Smart Innovation, Systems and Technologies*, **2019**, 665-675	0.5	1
9	A New Safety Design of the Ceiling Fan to Avoid Suicidal Cases. *Smart Innovation, Systems and Technologies*, **2019**, 715-724	0.5	1
8	Modified BAT Algorithm for Optimum Assembly Sequence Planning. *IOP Conference Series: Materials Science and Engineering*, **2018**, 377, 012091	0.4	1
7	A smart prediction tool for estimating heat transfer and overall pressure drop from shell-and-tube heat exchanger. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering*, **2017**, 231, 1053-1062	1.5	
6	Development of obstacle- avoiding robots using RF technology. *International Journal of Intelligent Unmanned Systems*, **2016**, 4, 214-225	0.9	
5	Development of a General Search Based Path Follower in Real Time Environment. *Lecture Notes in Electrical Engineering*, **2017**, 315-322	0.2	
4	Kinematic Control of a Mobile Manipulator. *Lecture Notes in Electrical Engineering*, **2016**, 339-346	0.2	
3	Kinematic Modeling and Simulation of Manipulator for Executing Welding Operations with Arbitrary Weld Joint Profiles. *Lecture Notes in Electrical Engineering*, **2016**, 291-299	0.2	
2	New Strategy for Mobile Robot Navigation Using Fuzzy Logic. *Advances in Intelligent Systems and Computing*, **2019**, 1-8	0.4	
1	Application of Hybrid Nelder-Mead Bat Algorithm to Improve the Grasp Quality during the Automated Robotic Grasping. *Procedia Computer Science*, **2018**, 133, 612-619	1.6	