Ellips Masehian

List of Publications by Year
in descending order

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50 papers	1,117 citations	516561 16 h-index	526166 27 g-index
50 all docs	50 docs citations	50 times ranked	1016 citing authors

#	Article	IF	Citations
1	GEPSO: A new generalized particle swarm optimization algorithm. Mathematics and Computers in Simulation, 2021, 179, 194-212.	2.4	64
2	Assembly sequence and path planning for monotone and nonmonotone assemblies with rigid and flexible parts. Robotics and Computer-Integrated Manufacturing, 2021, 72, 102180.	6.1	13
3	Modeling, Simulation, and Validation of Magneto-Rheological Dampers with LabVIEW. , 2020, , .		0
4	ASPPR: A New Assembly Sequence and Path Planner/Replanner for Monotone and Nonmonotone Assembly Planning. CAD Computer Aided Design, 2020, 123, 102828.	1.4	12
5	Load Balancing in Cloud Computing Using Genetic Algorithm and Fuzzy Logic. , 2019, , .		10
6	A query-by-example music retrieval system using feature and decision fusion. Multimedia Tools and Applications, 2018, 77, 6165-6189.	2.6	6
7	Linguistic geometry approach for solving the Cops and Robber problem in grid environments. Information Sciences, 2017, 414, 68-101.	4.0	0
8	A Sequential Bi-criteria Search Algorithm for Robot Path Planning in the Box Pushing Problem. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 86, 523-550.	2.0	0
9	Landscape analysis and scatter search metaheuristic for solving the uncapacitated single allocation hub location problem. International Journal of Industrial and Systems Engineering, 2017, 26, 425.	0.1	2
10	Semi-lazy probabilistic roadmap: a parameter-tuned, resilient and robust path planning method for manipulator robots. International Journal of Advanced Manufacturing Technology, 2017, 89, 1401-1430.	1.5	50
11	Cooperative mapping of unknown environments by multiple heterogeneous mobile robots with limited sensing. Robotics and Autonomous Systems, 2017, 87, 188-218.	3.0	24
12	Achieving extreme precisions for multiple manipulators using a proper coupled neural network matrix method and LabVIEW instrumentation. , 2016, , .		5
13	Planning Robot Navigation among Movable Obstacles (NAMO) through a Recursive Approach. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 83, 603-634.	2.0	12
14	Modular Robotic Systems: Characteristics and Applications. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 81, 317-357.	2.0	72
15	A meta-module approach for cluster flow locomotion of modular robots. , 2015, , .		5
16	A fluid dynamics approach for self-reconfiguration planning of modular robots. , 2015, , .		0
17	Path planning of nonholonomic flying robots using a new virtual obstacle method. , 2015, , .		6
18	Mathematical model for deadlock resolution in multiple AGV scheduling and routing network: a case study. Industrial Robot, 2015, 42, 252-263.	1.2	21

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19	Modular robotic systems: Methods and algorithms for abstraction, planning, control, and synchronization. Artificial Intelligence, 2015, 223, 27-64.	3.9	53
20	Basic and Hybrid Imperialist Competitive Algorithms for Solving the Non-attacking and Non-dominating n-Queens Problems. Studies in Computational Intelligence, 2015, , 79-96.	0.7	3
21	A breakout local search (BLS) method for solving the assembly sequence planning problem. Engineering Applications of Artificial Intelligence, 2015, 39, 245-266.	4.3	44
22	Review and taxonomies of assembly and disassembly path planning problems and approaches. CAD Computer Aided Design, 2015, 67-68, 58-86.	1.4	114
23	Assembly sequence planning of rigid and flexible parts. Journal of Manufacturing Systems, 2015, 36, 128-146.	7.6	36
24	Cooperative Control of a Multi Robot Flocking System for Simultaneous Object Collection and Shepherding. Studies in Computational Intelligence, 2015, , 97-114.	0.7	8
25	A reverse logistics network for recovery systems and a robust metaheuristic solution approach. International Journal of Advanced Manufacturing Technology, 2014, 74, 1393-1406.	1.5	34
26	Regrasp planning through throwing and catching. , 2014, , .		0
27	Fuzzy coordination graphs and their application in multi-robot coordination under uncertainty. , 2014, , .		2
28	NRR: a nonholonomic random replanner for navigation of car-like robots in unknown environments. Robotica, 2014, 32, 1101-1123.	1.3	9
29	Cooperative object transportation by multiple mobile manipulators through a hierarchical planning architecture. , 2014, , .		13
30	Scenario Reduction for Probabilistic Robot Path Planning in the Presence of Preferences on Hidden States. Arabian Journal for Science and Engineering, 2014, 39, 2909-2928.	1.1	0
31	Sensor-Based Motion Planning of Wheeled Mobile Robots in Unknown Dynamic Environments. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 893-914.	2.0	24
32	Landscape analysis and efficient metaheuristics for solving the n-queens problem. Computational Optimization and Applications, 2013, 56, 735-764.	0.9	16
33	A new taxonomy of robotic Regrasp Planning approaches and methods. , 2013, , .		3
34	An Improved Particle Swarm Optimization Method for Motion Planning of Multiple Robots. Springer Tracts in Advanced Robotics, 2013, , 175-188.	0.3	12
35	Robotic, Grippers, Grasping, and Grasp Planning. Advances in Mechatronics and Mechanical Engineering, 2013, , 277-300.	1.0	0
36	Poly line map extraction in sensor-based mobile robot navigation using a consecutive clustering algorithm. Robotics and Autonomous Systems, 2012, 60, 1078-1092.	3.0	8

#	Article	IF	Citations
37	A linear programming approach for probabilistic robot path planning with missing information of outcomes. , 2011, , .		1
38	Optimal probabilistic robot path planning with missing information. , 2011, , .		1
39	Optimal multi-robot path planning with Temporal Logic constraints. , 2011, , .		1
40	Multi-objective robot motion planning using a particle swarm optimization model. Journal of Zhejiang University: Science C, 2010, 11, 607-619.	0.7	30
41	A multi-objective PSO-based algorithm for robot path planning. , 2010, , .		73
42	A hierarchical decoupled approach for multi robot motion planning on trees. , 2010, , .		6
43	Multi-Objective PSO- and NPSO-based Algorithms for Robot Path Planning. Advances in Electrical and Computer Engineering, 2010, 10, 69-76.	0.5	67
44	Solvability of multi robot motion planning problems on Trees. , 2009, , .		10
45	Particle Swarm Optimization Methods, Taxonomy and Applications. International Journal of Computer Theory and Engineering, 2009, , 486-502.	3.2	113
46	Sensor-Based Robot Motion Planning - A Tabu Search Approach. IEEE Robotics and Automation Magazine, 2008, 15, 48-57.	2.2	24
47	Binary Integer Programming Model of Point Robot Path Planning. , 2007, , .		6
48	Motion planning and control of mobile robot using Linear Matrix Inequalities (LMIs). , 2007, , .		5
49	A Tabu Search-based Approach for Online Motion Planning. , 2006, , .		7
50	A voronoi diagram-visibility graph-potential field compound algorithm for robot path planning. Journal of Field Robotics, 2004, 21, 275-300.	0.7	92