Aliakbar Akbari

List of Publications by Year
in descending order

23 papers	234 citations	1307594 7 h-index	1125743 13 g-index
25 all docs	25 docs citations	25 times ranked	204 citing authors

#	Article	IF	Citations
1	Platform-Independent Benchmarks for Task and Motion Planning. IEEE Robotics and Automation Letters, 2018, 3, 3765-3772.	5.1	39
2	PMK—A Knowledge Processing Framework for Autonomous Robotics Perception and Manipulation. Sensors, 2019, 19, 1166.	3.8	37
3	Combined heuristic task and motion planning for bi-manual robots. Autonomous Robots, 2019, 43, 1575-1590.	4.8	21
4	Knowledge-oriented task and motion planning for multiple mobile robots. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 137-162.	2.8	16
5	Comparison of RFID system and barcode reader for manufacturing processes. , 2015, , .		14
6	Implementation of structural health monitoring based on RFID and WSN. , 2015, , .		13
7	SkillMaN — A skill-based robotic manipulation framework based on perception and reasoning. Robotics and Autonomous Systems, 2020, 134, 103653.	5.1	13
8	Ontological physics-based motion planning for manipulation. , 2015, , .		11
9	Task and motion planning using physics-based reasoning. , 2015, , .		11
10	Contingent Task and Motion Planning under Uncertainty for Human–Robot Interactions. Applied Sciences (Switzerland), 2020, 10, 1665.	2.5	8
11	Integration of RFID and WSN for supply chain intelligence system. , 2013, , .		6
12	Task planning using physics-based heuristics on manipulation actions. , 2016, , .		6
13	Comparison of wireless sensor network and radio frequency identification for the process control of distributed industrial systems. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2014, 228, 316-329.	1.0	5
14	Î¼-PMP: Enhancing Physics-based Motion Planners with Knowledge-Based Reasoning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2018, 91, 459-477.	3.4	4
15	The Design of Prometheus: A Reconfigurable UAV for Subterranean Mine Inspection. Robotics, 2020, 9, 95.	3.5	4
16	Informed Autonomous Exploration of Subterranean Environments. IEEE Robotics and Automation Letters, 2021, 6, 7957-7964.	5.1	4
17	Application of RFID system for the process control of distributed manufacturing system. , 2015, , .		3
18	Physics-based Motion Planning with Temporal Logic Specifications. IFAC-PapersOnLine, 2017, 50, 8993-8999.	0.9	2

#	Article	IF	Citations
19	An Ontology for Failure Interpretation in Automated Planning and Execution. Advances in Intelligent Systems and Computing, 2020, , 381-390.	0.6	2
20	Knowledge-Oriented Physics-Based Motion Planning for Grasping Under Uncertainty. Advances in Intelligent Systems and Computing, 2018, , 502-515.	0.6	1
21	An Ontology Framework for Physics-Based Manipulation Planning. Advances in Intelligent Systems and Computing, 2018, , 452-464.	0.6	1
22	Assembly Planning in Cluttered Environments Through Heterogeneous Reasoning. Lecture Notes in Computer Science, 2018, , 201-214.	1.3	0
23	A Tool for Knowledge-Oriented Physics-Based Motion Planning and Simulation. EAI/Springer Innovations in Communication and Computing, 2019, , 329-340.	1.1	0