

Aliakbar Akbari

List of Publications by Year in descending order

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204
citing authors

#	ARTICLE	IF	CITATIONS
1	Informed Autonomous Exploration of Subterranean Environments. IEEE Robotics and Automation Letters, 2021, 6, 7957-7964.	5.1	4
2	SkillMaN " A skill-based robotic manipulation framework based on perception and reasoning. Robotics and Autonomous Systems, 2020, 134, 103653.	5.1	13
3	The Design of Prometheus: A Reconfigurable UAV for Subterranean Mine Inspection. Robotics, 2020, 9, 95.	3.5	4
4	Contingent Task and Motion Planning under Uncertainty for Human"Robot Interactions. Applied Sciences (Switzerland), 2020, 10, 1665.	2.5	8
5	An Ontology for Failure Interpretation in Automated Planning and Execution. Advances in Intelligent Systems and Computing, 2020, , 381-390.	0.6	2
6	A Tool for Knowledge-Oriented Physics-Based Motion Planning and Simulation. EAI/Springer Innovations in Communication and Computing, 2019, , 329-340.	1.1	0
7	PMK" A Knowledge Processing Framework for Autonomous Robotics Perception and Manipulation. Sensors, 2019, 19, 1166.	3.8	37
8	Knowledge-oriented task and motion planning for multiple mobile robots. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 137-162.	2.8	16
9	Combined heuristic task and motion planning for bi-manual robots. Autonomous Robots, 2019, 43, 1575-1590.	4.8	21
10	Knowledge-Oriented Physics-Based Motion Planning for Grasping Under Uncertainty. Advances in Intelligent Systems and Computing, 2018, , 502-515.	0.6	1
11	Assembly Planning in Cluttered Environments Through Heterogeneous Reasoning. Lecture Notes in Computer Science, 2018, , 201-214.	1.3	0
12	Platform-Independent Benchmarks for Task and Motion Planning. IEEE Robotics and Automation Letters, 2018, 3, 3765-3772.	5.1	39
13	ÎPMP: 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
14	An Ontology Framework for Physics-Based Manipulation Planning. Advances in Intelligent Systems and Computing, 2018, , 452-464.	0.6	1
15	Physics-based Motion Planning with Temporal Logic Specifications. IFAC-PapersOnLine, 2017, 50, 8993-8999.	0.9	2
16	Task planning using physics-based heuristics on manipulation actions. , 2016, , .		6
17	Ontological physics-based motion planning for manipulation. , 2015, , .		11
18	Task and motion planning using physics-based reasoning. , 2015, , .		11

#	ARTICLE	IF	CITATIONS
19	Application of RFID system for the process control of distributed manufacturing system. , 2015, , .		3
20	Comparison of RFID system and barcode reader for manufacturing processes. , 2015, , .		14
21	Implementation of structural health monitoring based on RFID and WSN. , 2015, , .		13
22	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
23	Integration of RFID and WSN for supply chain intelligence system. , 2013, , .		6