Ci-Jyun Liang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2497070/publications.pdf

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21	418	1039406 9	1372195 10
papers	citations	h-index	g-index

21	21	21	176
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A vision-based marker-less pose estimation system for articulated construction robots. Automation in Construction, 2019, 104, 80-94.	4.8	69
2	Humanâ€“Robot Collaboration in Construction: Classification and Research Trends. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	65
3	Teaching robots to perform quasi-repetitive construction tasks through human demonstration. Automation in Construction, 2020, 120, 103370.	4.8	53
4	Interactive and Immersive Process-Level Digital Twin for Collaborative Humanâ€“Robot Construction Work. Journal of Computing in Civil Engineering, 2021, 35, .	2.5	51
5	A virtual reality tool for training in global engineering collaboration. Universal Access in the Information Society, 2019, 18, 243-255.	2.1	37
6	Enhancing stroke assessment simulation experience in clinical training using augmented reality. Virtual Reality, 2021, 25, 575-584.	4.1	25
7	Strategies to accelerate the computation of erection paths for construction cranes. Automation in Construction, 2016, 62, 1-13.	4.8	23
8	RAS: a robotic assembly system for steel structure erection and assembly. International Journal of Intelligent Robotics and Applications, 2017, 1, 459-476.	1.6	20
9	Real-Time Process-Level Digital Twin for Collaborative Human-Robot Construction Work. , 2020, , .		15
10	Real-time state synchronization between physical construction robots and process-level digital twins. Construction Robotics, 2022, 6, 57-73.	1.2	12
11	Bi-Directional Communication Bridge for State Synchronization between Digital Twin Simulations and Physical Construction Robots. , 2020, , .		11
12	Stacked Hourglass Networks for Markerless Pose Estimation of Articulated Construction Robots. , 2018, , .		10
13	Teaching Robots to Perform Construction Tasks via Learning from Demonstration. , 2019, , .		8
14	Trajectory-Based Skill Learning for Overhead Construction Robots Using Generalized Cylinders with Orientation. Journal of Computing in Civil Engineering, 2022, 36, .	2.5	7
15	Real-Time Construction Site Layout and Equipment Monitoring. , 2018, , .		5
16	BotBeep — An affordable warning device for wheelchair rearward safety. , 2013, , .		2
17	Fast Dataset Collection Approach for Articulated Equipment Pose Estimation. , 2019, , .		2
18	A Sway Reduction Controller for Construction Crane. , 2015, , .		2

#	Article	IF	Citations
19	Development of a Steel Beam Hauling System for Automatic Steel Beam Assembly. , 2014, , .		1
20	Independent hoisting system: structural components, lifting mechanism, crane control. Impact, 2018, 2018, 59-61.	0.0	0
21	Robotic Assembly System for Steel Structures. Modular and Offsite Construction (MOC) Summit Proceedings, 0, , 86-93.	0.0	0