

Ci-Jyun Liang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

418
citations

1039406

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1372195

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all docs

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docs citations

21
times ranked

176
citing authors

#	ARTICLE	IF	CITATIONS
1	Trajectory-Based Skill Learning for Overhead Construction Robots Using Generalized Cylinders with Orientation. Journal of Computing in Civil Engineering, 2022, 36, .	2.5	7
2	Real-time state synchronization between physical construction robots and process-level digital twins. Construction Robotics, 2022, 6, 57-73.	1.2	12
3	Enhancing stroke assessment simulation experience in clinical training using augmented reality. Virtual Reality, 2021, 25, 575-584.	4.1	25
4	Human-Robot Collaboration in Construction: Classification and Research Trends. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	2.0	65
5	Interactive and Immersive Process-Level Digital Twin for Collaborative Human-Robot Construction Work. Journal of Computing in Civil Engineering, 2021, 35, .	2.5	51
6	Teaching robots to perform quasi-repetitive construction tasks through human demonstration. Automation in Construction, 2020, 120, 103370.	4.8	53
7	Bi-Directional Communication Bridge for State Synchronization between Digital Twin Simulations and Physical Construction Robots. , 2020, , .		11
8	Real-Time Process-Level Digital Twin for Collaborative Human-Robot Construction Work. , 2020, , .		15
9	Fast Dataset Collection Approach for Articulated Equipment Pose Estimation. , 2019, , .		2
10	A vision-based marker-less pose estimation system for articulated construction robots. Automation in Construction, 2019, 104, 80-94.	4.8	69
11	A virtual reality tool for training in global engineering collaboration. Universal Access in the Information Society, 2019, 18, 243-255.	2.1	37
12	Teaching Robots to Perform Construction Tasks via Learning from Demonstration. , 2019, , .		8
13	Real-Time Construction Site Layout and Equipment Monitoring. , 2018, , .		5
14	Independent hoisting system: structural components, lifting mechanism, crane control. Impact, 2018, 2018, 59-61.	0.0	0
15	Stacked Hourglass Networks for Markerless Pose Estimation of Articulated Construction Robots. , 2018, , .		10
16	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
17	Strategies to accelerate the computation of erection paths for construction cranes. Automation in Construction, 2016, 62, 1-13.	4.8	23
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	BotBeep — An affordable warning device for wheelchair rearward safety. , 2013, , .		2
21	Robotic Assembly System for Steel Structures. Modular and Offsite Construction (MOC) Summit Proceedings, 0, , 86-93.	0.0	0