

Hung-Lin Chi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42 papers	1,411 citations	16 h-index	37 g-index
51 ext. papers	1,938 ext. citations	6 avg, IF	5.15 L-index

#	Paper	IF	Citations
42	Generative planning for construction safety surveillance camera installation in 4D BIM environment. <i>Automation in Construction</i> , 2022 , 134, 104103	9.6	3
41	On-site safety inspection of tower cranes: A blockchain-enabled conceptual framework. <i>Safety Science</i> , 2022 , 153, 105815	5.8	2
40	Building information modeling (BIM), System dynamics (SD), and Agent-based modeling (ABM): Towards an integrated approach. <i>Ain Shams Engineering Journal</i> , 2021 , 12, 4261-4261	4.4	9
39	Automated rebar diameter classification using point cloud data based machine learning. <i>Automation in Construction</i> , 2021 , 122, 103476	9.6	12
38	Federated transfer learning enabled smart work packaging for preserving personal image information of construction worker. <i>Automation in Construction</i> , 2021 , 128, 103738	9.6	9
37	Are you an energy saver at home? The personality insights of household energy conservation behaviors based on theory of planned behavior. <i>Resources, Conservation and Recycling</i> , 2021 , 174, 105823	11.9	10
36	Effects of dataset characteristics on the performance of fatigue detection for crane operators using hybrid deep neural networks. <i>Automation in Construction</i> , 2021 , 132, 103901	9.6	1
35	Psychological and Demographic Factors Affecting Household Energy-Saving Intentions: A TPB-Based Study in Northwest China. <i>Sustainability</i> , 2020 , 12, 836	3.6	27
34	Exploring the Feasibility of Constructing Recyclable Prefabricated Buildings to Expedite Sustainable Urbanisation in Developing Countries. <i>Environmental Science and Engineering</i> , 2020 , 229-236	0.2	
33	Smart work packaging-enabled constraint-free path re-planning for tower crane in prefabricated products assembly process. <i>Advanced Engineering Informatics</i> , 2020 , 43, 101008	7.4	22
32	A Study on the External Stone Cladding System in Production and Installation Stages: The Case of Hong Kong. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8207	2.6	
31	Adopting lean thinking in virtual reality-based personalized operation training using value stream mapping. <i>Automation in Construction</i> , 2020 , 119, 103355	9.6	11
30	Developing a conceptual framework of smart work packaging for constraints management in prefabrication housing production. <i>Advanced Engineering Informatics</i> , 2019 , 42, 100938	7.4	16
29	Rule checking Interface development between building information model and end user. <i>Automation in Construction</i> , 2019 , 105, 102842	9.6	7
28	Comparison of Virtual Communication Environment for Remote BIM Model Review Collaboration 2019 ,		2
27	An Inquisition of Envelope Fabric for Building Energy Performance Using Prominent BIM-BPS Tools: A Case Study in Sub-Tropical Climate. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 354, 012129	0.3	1
26	A Critical Review of the Use of Virtual Reality in Construction Engineering Education and Training. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	194

25	Mathematical programming models for construction site layout problems. <i>Automation in Construction</i> , 2018 , 85, 241-248	9.6	27
24	A critical review of virtual and augmented reality (VR/AR) applications in construction safety. <i>Automation in Construction</i> , 2018 , 86, 150-162	9.6	311
23	A Coordinated Approach for Supply-Chain Tracking in the Liquefied Natural Gas Industry. <i>Sustainability</i> , 2018 , 10, 4822	3.6	5
22	Reference tag supported RFID tracking using robust support vector regression and Kalman filter. <i>Advanced Engineering Informatics</i> , 2017 , 32, 1-10	7.4	36
21	A framework of innovative learning for skill development in complex operational tasks. <i>Automation in Construction</i> , 2017 , 83, 29-40	9.6	40
20	A comprehensive analysis of the credits obtained by LEED 2009 certified green buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 68, 370-379	16.2	83
19	Cooperative and Immersive Coaching to Facilitate Skill Development in Construction Tasks. <i>Lecture Notes in Computer Science</i> , 2016 , 371-377	0.9	2
18	Attention-Based User Interface Design for a Tele-Operated Crane. <i>Journal of Computing in Civil Engineering</i> , 2016 , 30, 04015030	5	24
17	BIM-Enabled Collaborative Scaffolding Scoping and Design. <i>Lecture Notes in Computer Science</i> , 2016 , 43-50	0.9	
16	Automatic as-built modeling for concurrent progress tracking of plant construction based on laser scanning. <i>Concurrent Engineering Research and Applications</i> , 2016 , 24, 369-380	1.7	10
15	A linked data system framework for sharing construction defect information using ontologies and BIM environments. <i>Automation in Construction</i> , 2016 , 68, 102-113	9.6	53
14	A Conceptual Framework of Quality-Assured Fabrication, Delivery and Installation Processes for Liquefied Natural Gas (LNG) Plant Construction. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015 , 79, 433-448	2.9	9
13	Automation and Robotics in Construction and Civil Engineering. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2015 , 79, 347-350	2.9	16
12	BIM-Enabled Structural Design: Impacts and Future Developments in Structural Modelling, Analysis and Optimisation Processes. <i>Archives of Computational Methods in Engineering</i> , 2015 , 22, 135-151	7.8	37
11	A Novel Automatic Process for Construction Progress Tracking Based on Laser Scanning for Industrial Plants. <i>Lecture Notes in Computer Science</i> , 2015 , 250-258	0.9	1
10	An Integrated Approach for Progress Tracking in Liquefied Natural Gas Construction. <i>Lecture Notes in Computer Science</i> , 2015 , 259-267	0.9	0
9	Spatial and temporal analysis on the distribution of active radio-frequency identification (RFID) tracking accuracy with the Kriging method. <i>Sensors</i> , 2014 , 14, 20451-67	3.8	13
8	Research trends and opportunities of augmented reality applications in architecture, engineering, and construction. <i>Automation in Construction</i> , 2013 , 33, 116-122	9.6	215

7	Development of user interface for tele-operated cranes. <i>Advanced Engineering Informatics</i> , 2012 , 26, 641-652	7.4	45
6	Use of Tangible and Augmented Reality Models in Engineering Graphics Courses. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2011 , 137, 267-276	0.7	81
5	A Smart Crane Operations Assistance System Using Augmented Reality Technology 2011 ,		6
4	A physics-based simulation approach for cooperative erection activities. <i>Automation in Construction</i> , 2010 , 19, 750-761	9.6	17
3	Three-Dimensional Simulation and Visualization of Crane Assisted Construction Erection Processes. <i>Journal of Computing in Civil Engineering</i> , 2009 , 23, 363-371	5	45
2	A Physics Based Simulation for Crane Manipulation and Cooperation 2007 ,		3
1	Robot Development Using Microsoft Robotics Developer Studio		3