

Junjie Chen

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.

24
papers

182
citations

10
h-index

13
g-index

28
ext. papers

360
ext. citations

6.7
avg, IF

4.03
L-index

#	Paper	IF	Citations
24	Computer vision for solid waste sorting: A critical review of academic research.. <i>Waste Management</i> , 2022 , 142, 29-43	8.6	5
23	Align to locate: Registering photogrammetric point clouds to BIM for robust indoor localization. <i>Building and Environment</i> , 2022 , 209, 108675	6.5	0
22	Computer vision to recognize construction waste compositions: A novel boundary-aware transformer (BAT) model.. <i>Journal of Environmental Management</i> , 2022 , 305, 114405	7.9	2
21	Estimating construction waste truck payload volume using monocular vision. <i>Resources, Conservation and Recycling</i> , 2022 , 177, 106013	11.9	2
20	Using computer vision to recognize composition of construction waste mixtures: A semantic segmentation approach. <i>Resources, Conservation and Recycling</i> , 2022 , 178, 106022	11.9	13
19	Detecting, extracting and classifying foreign objects in inter-basin channels to ensure water supply safety. <i>Journal of Hydroinformatics</i> , 2022 , 24, 113-127	2.6	
18	Reconstructing unseen spaces in collapsed structures for search and rescue via deep learning based radargram inversion. <i>Automation in Construction</i> , 2022 , 140, 104380	9.6	1
17	Integrating Building Information Model and Augmented Reality for Drone-Based Building Inspection. <i>Journal of Computing in Civil Engineering</i> , 2021 , 35, 04020073	5	13
16	Roller-Integrated Compaction Assessment of Earth-Rock Dam Materials Considering Operation Modes. <i>Geotechnical Testing Journal</i> , 2021 , 44, 20200126	1.3	0
15	"Looking beneath the surface": A visual-physical feature hybrid approach for unattended gauging of construction waste composition. <i>Journal of Environmental Management</i> , 2021 , 286, 112233	7.9	10
14	Bottom-up image detection of water channel slope damages based on superpixel segmentation and support vector machine. <i>Advanced Engineering Informatics</i> , 2021 , 47, 101205	7.4	11
13	Extracting water channels from aerial videos based on image-to-BIM registration and spatio-temporal continuity. <i>Automation in Construction</i> , 2021 , 132, 103970	9.6	3
12	A Cyber-Physical System for Multi-Roller Control in Mega Infrastructure Projects 2020 ,		1
11	AiRobSim: Simulating a Multisensor Aerial Robot for Urban Search and Rescue Operation and Training. <i>Sensors</i> , 2020 , 20,	3.8	7
10	Real-Time Optimization of Precast Concrete Component Transportation and Storage. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-18	1.3	6
9	Detecting, locating, and characterizing voids in disaster rubble for search and rescue. <i>Advanced Engineering Informatics</i> , 2019 , 42, 100974	7.4	13
8	Registering georeferenced photos to a building information model to extract structures of interest. <i>Advanced Engineering Informatics</i> , 2019 , 42, 100937	7.4	10

7	Dynamic BIM-augmented UAV safety inspection for water diversion project. <i>Computers in Industry</i> , 2019 , 108, 163-177	11.6	29
6	Intelligent compaction practice and development: a bibliometric analysis. <i>Engineering, Construction and Architectural Management</i> , 2019 , 27, 1213-1232	3.1	11
5	Collaborative operation and real-time control of roller fleet for asphalt pavement compaction. <i>Automation in Construction</i> , 2019 , 98, 16-29	9.6	21
4	An integrated visualization framework to support whole-process management of water pipeline safety. <i>Automation in Construction</i> , 2018 , 89, 24-37	9.6	12
3	Energy consumption of 270 schools in Tianjin, China. <i>Frontiers in Energy</i> , 2015 , 9, 217-230	2.6	5
2	Indoor camera pose estimation via style-transfer 3D models. <i>Computer-Aided Civil and Infrastructure Engineering</i> ,	8.4	5
1	Sustainable built environment for facilitating public health of older adults: Evidence from Hong Kong. <i>Sustainable Development</i> ,	6.7	2