

Ehsan Rezazadeh Azar

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

766
citations

687363
13
h-index

888059
17
g-index

22
all docs

22
docs citations

22
times ranked

468
citing authors

#	ARTICLE	IF	CITATIONS
1	Part based model and spatial-temporal reasoning to recognize hydraulic excavators in construction images and videos. Automation in Construction, 2012, 24, 194-202.	9.8	125
2	Automated Methods for Activity Recognition of Construction Workers and Equipment: State-of-the-Art Review. Journal of Construction Engineering and Management - ASCE, 2020, 146, .	3.8	110
3	Server-Customer Interaction Tracker: Computer Vision-Based System to Estimate Dirt-Loading Cycles. Journal of Construction Engineering and Management - ASCE, 2013, 139, 785-794.	3.8	97
4	Automated Visual Recognition of Dump Trucks in Construction Videos. Journal of Computing in Civil Engineering, 2012, 26, 769-781.	4.7	94
5	IFC-Based Development of As-Built and As-Is BIMs Using Construction and Facility Inspection Data: Site-to-BIM Data Transfer Automation. Journal of Computing in Civil Engineering, 2018, 32, .	4.7	73
6	Improved visualization of infrastructure monitoring data using building information modeling. Structure and Infrastructure Engineering, 2019, 15, 1247-1263.	3.7	52
7	Semantic Segmentation of Defects in Infrared Thermographic Images of Highly Damaged Concrete Structures. Journal of Performance of Constructed Facilities, 2021, 35, .	2.0	38
8	BIM-based draft schedule generation in reinforced concrete-framed buildings. Construction Innovation, 2019, 19, 280-294.	2.7	29
9	Construction Equipment Identification Using Marker-Based Recognition and an Active Zoom Camera. Journal of Computing in Civil Engineering, 2016, 30, 04015033.	4.7	23
10	Estimating Stripping of Asphalt Coating Using k-Means Clustering and Machine Learning-Based Classification. Journal of Computing in Civil Engineering, 2020, 34, .	4.7	20
11	Statistical analysis of favorable conditions for thermographic inspection of concrete slabs. Journal of Civil Structural Health Monitoring, 2020, 10, 609-626.	3.9	15
12	Distress Recognition in Unpaved Roads Using Unmanned Aerial Systems and Deep Learning Segmentation. Journal of Computing in Civil Engineering, 2021, 35, .	4.7	15
13	Semantic Annotation of Videos from Equipment-Intensive Construction Operations by Shot Recognition and Probabilistic Reasoning. Journal of Computing in Civil Engineering, 2017, 31, 04017042.	4.7	14
14	BIM-based energy consumption assessment of the on-site construction of building structural systems. Built Environment Project and Asset Management, 2019, 9, 2-14.	1.6	14
15	Quantitative similarity assessment of construction projects using WBS-based metrics. Advanced Engineering Informatics, 2020, 46, 101179.	8.0	14
16	UAV-Enabled Site-to-BIM Automation: Aerial Robotic- and Computer Vision-Based Development of As-Built/As-Is BIMs and Quality Control. , 2018, , .		13
17	Long-Term Numerical Analysis of Subsurface Delamination Detection in Concrete Slabs via Infrared Thermography. Applied Sciences (Switzerland), 2021, 11, 4323.	2.5	10
18	Vision-Based Recognition of Dirt Loading Cycles in Construction Sites. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
19	Embodied Energy Assessment of Building Structural Systems Using Building Information Modeling. , 2018, , .		2
20	Integrating acceleration signal processing and image segmentation for condition assessment of asphalt roads. Canadian Journal of Civil Engineering, 2022, 49, 1095-1107.	1.3	2
21	BIM-based Decision Support System for Concrete Formwork Design. , 2019, , .		1
22	Active Control of a Pan-Tilt-Zoom Camera for Vision-Based Monitoring of Equipment in Construction and Surface Mining Jobsites. , 2016, , .		0