

Chul Min Yeum

List of Publications by Citations

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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

546
citations

10
h-index

23
g-index

25
ext. papers

708
ext. citations

4.9
avg, IF

4.55
L-index

#	Paper	IF	Citations
24	Vision-Based Automated Crack Detection for Bridge Inspection. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015 , 30, 759-770	8.4	226
23	Instantaneous delamination detection in a composite plate using a dual piezoelectric transducer network. <i>Composite Structures</i> , 2012 , 94, 3490-3499	5.3	46
22	Lamb wave mode decomposition using concentric ring and circular piezoelectric transducers. <i>Wave Motion</i> , 2011 , 48, 358-370	1.8	43
21	Visual data classification in post-event building reconnaissance. <i>Engineering Structures</i> , 2018 , 155, 16-24	4.7	43
20	Automated region-of-interest localization and classification for vision-based visual assessment of civil infrastructure. <i>Structural Health Monitoring</i> , 2019 , 18, 675-689	4.4	34
19	Laser ultrasonic imaging and damage detection for a rotating structure. <i>Structural Health Monitoring</i> , 2013 , 12, 494-506	4.4	28
18	Computer-Aided Approach for Rapid Post-Event Visual Evaluation of a Building Façade. <i>Sensors</i> , 2018 , 18,	3.8	23
17	Automated building image extraction from 360° panoramas for postdisaster evaluation. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020 , 35, 241-257	8.4	17
16	Towards fully automated post-event data collection and analysis: Pre-event and post-event information fusion. <i>Engineering Structures</i> , 2020 , 208, 109884	4.7	13
15	Postevent Reconnaissance Image Documentation Using Automated Classification. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04018103	2	12
14	Reference-free damage detection, localization, and quantification in composites. <i>Journal of the Acoustical Society of America</i> , 2013 , 133, 3838-45	2.2	9
13	Integrated environmental modeling for efficient aquifer vulnerability assessment using machine learning. <i>Environmental Modelling and Software</i> , 2020 , 124, 104602	5.2	9
12	Reference-free delamination detection using Lamb waves. <i>Structural Control and Health Monitoring</i> , 2013 , 21, n/a-n/a	4.5	8
11	Experimental study on identifying cracks of increasing size using ultrasonic excitation. <i>Structural Health Monitoring</i> , 2012 , 11, 95-108	4.4	7
10	A resilience-based method for prioritizing post-event building inspections. <i>Natural Hazards</i> , 2020 , 100, 877-896	3	6
9	Acceleration-Based Automated Vehicle Classification on Mobile Bridges. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2016 , 31, 813-825	8.4	5
8	Automated Indoor Image Localization to Support a Post-Event Building Assessment. <i>Sensors</i> , 2020 , 20,	3.8	4

7	Delamination detection in a composite plate using a dual piezoelectric transducer network 2011 ,		3
6	Automated Recovery of Structural Drawing Images Collected from Postdisaster Reconnaissance. <i>Journal of Computing in Civil Engineering</i> , 2019 , 33, 04018056	5	3
5	Learning-based image scale estimation using surface textures for quantitative visual inspection of regions-of-interest. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2021 , 36, 227-241	8.4	3
4	Interactive defect quantification through extended reality. <i>Advanced Engineering Informatics</i> , 2022 , 51, 101473	7.4	2
3	Similarity learning to enable building searches in post-event image data. <i>Computer-Aided Civil and Infrastructure Engineering</i> ,	8.4	1
2	Automated Graffiti Detection: A Novel Approach to Maintaining Historical Architecture in Communities. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2983	2.6	0
1	A Researcher-oriented Automated Data Ingestion Tool for rapid data Processing, Visualization and Preservation. <i>Advances in Engineering Software</i> , 2017 , 114, 134-143	3.6	