

Chul Min Yeum

List of Publications by Year in descending order

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25
papers

857
citations

758635

12
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docs citations

25
times ranked

844
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision-Based Automated Crack Detection for Bridge Inspection. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2015, 30, 759-770.	6.3	347
2	Visual data classification in post-event building reconnaissance. <i>Engineering Structures</i> , 2018, 155, 16-24.	2.6	87
3	Automated region-of-interest localization and classification for vision-based visual assessment of civil infrastructure. <i>Structural Health Monitoring</i> , 2019, 18, 675-689.	4.3	58
4	Lamb wave mode decomposition using concentric ring and circular piezoelectric transducers. <i>Wave Motion</i> , 2011, 48, 358-370.	1.0	53
5	Instantaneous delamination detection in a composite plate using a dual piezoelectric transducer network. <i>Composite Structures</i> , 2012, 94, 3490-3499.	3.1	53
6	Laser ultrasonic imaging and damage detection for a rotating structure. <i>Structural Health Monitoring</i> , 2013, 12, 494-506.	4.3	43
7	Automated building image extraction from 360° panoramas for postdisaster evaluation. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020, 35, 241-257.	6.3	32
8	Computer-Aided Approach for Rapid Post-Event Visual Evaluation of a Building Façade. <i>Sensors</i> , 2018, 18, 3017.	2.1	31
9	Postevent Reconnaissance Image Documentation Using Automated Classification. <i>Journal of Performance of Constructed Facilities</i> , 2019, 33, .	1.0	25
10	Towards fully automated post-event data collection and analysis: Pre-event and post-event information fusion. <i>Engineering Structures</i> , 2020, 208, 109884.	2.6	20
11	Integrated environmental modeling for efficient aquifer vulnerability assessment using machine learning. <i>Environmental Modelling and Software</i> , 2020, 124, 104602.	1.9	17
12	Interactive defect quantification through extended reality. <i>Advanced Engineering Informatics</i> , 2022, 51, 101473.	4.0	13
13	Reference-free delamination detection using Lamb waves. <i>Structural Control and Health Monitoring</i> , 2013, 21, n/a-n/a.	1.9	11
14	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.	6.3	11
15	A resilience-based method for prioritizing post-event building inspections. <i>Natural Hazards</i> , 2020, 100, 877-896.	1.6	10
16	Experimental study on identifying cracks of increasing size using ultrasonic excitation. <i>Structural Health Monitoring</i> , 2012, 11, 95-108.	4.3	9
17	Reference-free damage detection, localization, and quantification in composites. <i>Journal of the Acoustical Society of America</i> , 2013, 133, 3838-3845.	0.5	9
18	Similarity learning to enable building searches in post-event image data. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2022, 37, 261-275.	6.3	6

#	ARTICLE	IF	CITATIONS
19	Acceleration-Based Automated Vehicle Classification on Mobile Bridges. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 813-825.	6.3	5
20	Automated Recovery of Structural Drawing Images Collected from Postdisaster Reconnaissance. Journal of Computing in Civil Engineering, 2019, 33, .	2.5	5
21	Automated Indoor Image Localization to Support a Post-Event Building Assessment. Sensors, 2020, 20, 1610.	2.1	5
22	Delamination detection in a composite plate using a dual piezoelectric transducer network. Proceedings of SPIE, 2011, , .	0.8	3
23	Hierarchical Convolutional Neural Networks Information Fusion for Activity Source Detection in Smart Buildings. , 0, , .		2
24	Automated Graffiti Detection: A Novel Approach to Maintaining Historical Architecture in Communities. Applied Sciences (Switzerland), 2022, 12, 2983.	1.3	2
25	A Researcher-oriented Automated Data Ingestion Tool for rapid data Processing, Visualization and Preservation. Advances in Engineering Software, 2017, 114, 134-143.	1.8	0