

# Chul Min Yeum

## 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

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	Interactive defect quantification through extended reality. <i>Advanced Engineering Informatics</i> , <b>2022</b> , 51, 101473	7.4	2
23	Automated Graffiti Detection: A Novel Approach to Maintaining Historical Architecture in Communities. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2983	2.6	0
22	Learning-based image scale estimation using surface textures for quantitative visual inspection of regions-of-interest. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2021</b> , 36, 227-241	8.4	3
21	Automated Indoor Image Localization to Support a Post-Event Building Assessment. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
20	Towards fully automated post-event data collection and analysis: Pre-event and post-event information fusion. <i>Engineering Structures</i> , <b>2020</b> , 208, 109884	4.7	13
19	Automated building image extraction from 360° panoramas for postdisaster evaluation. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2020</b> , 35, 241-257	8.4	17
18	A resilience-based method for prioritizing post-event building inspections. <i>Natural Hazards</i> , <b>2020</b> , 100, 877-896	3	6
17	Integrated environmental modeling for efficient aquifer vulnerability assessment using machine learning. <i>Environmental Modelling and Software</i> , <b>2020</b> , 124, 104602	5.2	9
16	Automated Recovery of Structural Drawing Images Collected from Postdisaster Reconnaissance. <i>Journal of Computing in Civil Engineering</i> , <b>2019</b> , 33, 04018056	5	3
15	Postevent Reconnaissance Image Documentation Using Automated Classification. <i>Journal of Performance of Constructed Facilities</i> , <b>2019</b> , 33, 04018103	2	12
14	Automated region-of-interest localization and classification for vision-based visual assessment of civil infrastructure. <i>Structural Health Monitoring</i> , <b>2019</b> , 18, 675-689	4.4	34
13	Visual data classification in post-event building reconnaissance. <i>Engineering Structures</i> , <b>2018</b> , 155, 16-24	4.7	43
12	Computer-Aided Approach for Rapid Post-Event Visual Evaluation of a Building Façade. <i>Sensors</i> , <b>2018</b> , 18,	3.8	23
11	A Researcher-oriented Automated Data Ingestion Tool for rapid data Processing, Visualization and Preservation. <i>Advances in Engineering Software</i> , <b>2017</b> , 114, 134-143	3.6	
10	Acceleration-Based Automated Vehicle Classification on Mobile Bridges. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2016</b> , 31, 813-825	8.4	5
9	Vision-Based Automated Crack Detection for Bridge Inspection. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2015</b> , 30, 759-770	8.4	226
8	Reference-free damage detection, localization, and quantification in composites. <i>Journal of the Acoustical Society of America</i> , <b>2013</b> , 133, 3838-45	2.2	9

7	Reference-free delamination detection using Lamb waves. <i>Structural Control and Health Monitoring</i> , <b>2013</b> , 21, n/a-n/a	4.5	8
6	Laser ultrasonic imaging and damage detection for a rotating structure. <i>Structural Health Monitoring</i> , <b>2013</b> , 12, 494-506	4.4	28
5	Instantaneous delamination detection in a composite plate using a dual piezoelectric transducer network. <i>Composite Structures</i> , <b>2012</b> , 94, 3490-3499	5.3	46
4	Experimental study on identifying cracks of increasing size using ultrasonic excitation. <i>Structural Health Monitoring</i> , <b>2012</b> , 11, 95-108	4.4	7
3	Delamination detection in a composite plate using a dual piezoelectric transducer network <b>2011</b> ,		3
2	Lamb wave mode decomposition using concentric ring and circular piezoelectric transducers. <i>Wave Motion</i> , <b>2011</b> , 48, 358-370	1.8	43
1	Similarity learning to enable building searches in post-event image data. <i>Computer-Aided Civil and Infrastructure Engineering</i> ,	8.4	1