

# Chul Min Yeum

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6124824/publications.pdf>

Version: 2024-02-01

25  
papers

857  
citations

759233

12  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

844  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vision-Based Automated Crack Detection for Bridge Inspection. Computer-Aided Civil and Infrastructure Engineering, 2015, 30, 759-770.	9.8	347
2	Visual data classification in post-event building reconnaissance. Engineering Structures, 2018, 155, 16-24.	5.3	87
3	Automated region-of-interest localization and classification for vision-based visual assessment of civil infrastructure. Structural Health Monitoring, 2019, 18, 675-689.	7.5	58
4	Lamb wave mode decomposition using concentric ring and circular piezoelectric transducers. Wave Motion, 2011, 48, 358-370.	2.0	53
5	Instantaneous delamination detection in a composite plate using a dual piezoelectric transducer network. Composite Structures, 2012, 94, 3490-3499.	5.8	53
6	Laser ultrasonic imaging and damage detection for a rotating structure. Structural Health Monitoring, 2013, 12, 494-506.	7.5	43
7	Automated building image extraction from 360° panoramas for postdisaster evaluation. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 241-257.	9.8	32
8	Computer-Aided Approach for Rapid Post-Event Visual Evaluation of a Building Façade. Sensors, 2018, 18, 3017.	3.8	31
9	Postevent Reconnaissance Image Documentation Using Automated Classification. Journal of Performance of Constructed Facilities, 2019, 33, .	2.0	25
10	Towards fully automated post-event data collection and analysis: Pre-event and post-event information fusion. Engineering Structures, 2020, 208, 109884.	5.3	20
11	Integrated environmental modeling for efficient aquifer vulnerability assessment using machine learning. Environmental Modelling and Software, 2020, 124, 104602.	4.5	17
12	Interactive defect quantification through extended reality. Advanced Engineering Informatics, 2022, 51, 101473.	8.0	13
13	Reference-free delamination detection using Lamb waves. Structural Control and Health Monitoring, 2013, 21, n/a-n/a.	4.0	11
14	Learning-based image scale estimation using surface textures for quantitative visual inspection of regions of interest. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 227-241.	9.8	11
15	A resilience-based method for prioritizing post-event building inspections. Natural Hazards, 2020, 100, 877-896.	3.4	10
16	Experimental study on identifying cracks of increasing size using ultrasonic excitation. Structural Health Monitoring, 2012, 11, 95-108.	7.5	9
17	Reference-free damage detection, localization, and quantification in composites. Journal of the Acoustical Society of America, 2013, 133, 3838-3845.	1.1	9
18	Similarity learning to enable building searches in post-event image data. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 261-275.	9.8	6

#	ARTICLE	IF	CITATIONS
19	Acceleration-Based Automated Vehicle Classification on Mobile Bridges. Computer-Aided Civil and Infrastructure Engineering, 2016, 31, 813-825.	9.8	5
20	Automated Recovery of Structural Drawing Images Collected from Postdisaster Reconnaissance. Journal of Computing in Civil Engineering, 2019, 33, .	4.7	5
21	Automated Indoor Image Localization to Support a Post-Event Building Assessment. Sensors, 2020, 20, 1610.	3.8	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.	2.5	2
25	A Researcher-oriented Automated Data Ingestion Tool for rapid data Processing, Visualization and Preservation. Advances in Engineering Software, 2017, 114, 134-143.	3.8	0