

# Suyun Ham

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/657970/publications.pdf>

Version: 2024-02-01

16  
papers

176  
citations

1306789

7  
h-index

1058022

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

145  
citing authors

#	ARTICLE	IF	CITATIONS
1	A contactless ultrasonic surface wave approach to characterize distributed cracking damage in concrete. <i>Ultrasonics</i> , 2017, 75, 46-57.	2.1	36
2	Application of Micro-Electro-Mechanical Sensors Contactless NDT of Concrete Structures. <i>Sensors</i> , 2015, 15, 9078-9096.	2.1	31
3	Application of contactless ultrasound toward automated inspection of concrete structures. <i>Automation in Construction</i> , 2015, 58, 155-164.	4.8	25
4	Improved Interpretation of Vibration Responses from Concrete Delamination Defects Using Air-Coupled Impact Resonance Tests. <i>Journal of Engineering Mechanics - ASCE</i> , 2013, 139, 315-324.	1.6	18
5	Acoustic evaluation of concrete delaminations using ball-chain impact excitation. <i>Journal of the Acoustical Society of America</i> , 2017, 141, EL477-EL481.	0.5	15
6	Automated Acoustic Scanning System for Delamination Detection in Concrete Bridge Decks. <i>Journal of Bridge Engineering</i> , 2018, 23, .	1.4	15
7	Practical finite element based simulations of nondestructive evaluation methods for concrete. <i>Computers and Structures</i> , 2012, 98-99, 55-65.	2.4	8
8	Effect of Mixing and Placing in Hot Weather on Hardened Concrete Properties. <i>International Journal of Concrete Structures and Materials</i> , 2013, 7, 165-174.	1.4	7
9	Singular Integral Solutions of Analytical Surface Wave Model with Internal Crack. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3129.	1.3	4
10	Energy-Efficient Ultrasonic Water Level Detection System with Dual-Target Monitoring. <i>Sensors</i> , 2021, 21, 2241.	2.1	4
11	Spatial analysis leveraging machine learning and GIS of socio-geographic factors affecting cost overrun occurrence in roadway projects. <i>Automation in Construction</i> , 2022, 133, 104007.	4.8	4
12	Rapid damage assessment of concrete bridge deck leveraging an automated double-sided bounce system. <i>Automation in Construction</i> , 2022, 138, 104244.	4.8	4
13	An analytical, numerical, and experimental study of Rayleigh wave scattering for internal vertical crack evaluation. <i>Construction and Building Materials</i> , 2021, 306, 124838.	3.2	3
14	A Numerical Study for Performance Prediction of a Metal Hydride Thermal Energy Conversion System Elaborating the Superadiabatic Condition. <i>Energies</i> , 2020, 13, 3095.	1.6	1
15	Identification of Inundation Using Low-Resolution Images from Traffic-Monitoring Cameras: Bayes Shrink and Bayesian Segmentation. <i>Water (Switzerland)</i> , 2020, 12, 1725.	1.2	1
16	Image Analysis and Functional Data Clustering for Random Shape Aggregate Models. <i>Mathematics</i> , 2020, 8, 1903.	1.1	0