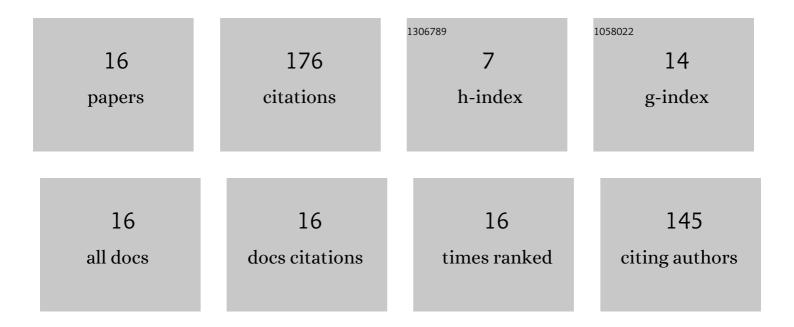
Suyun Ham

List of Publications by Year in descending order

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SUVUN HAM

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