

Hajin Choi

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

446
citations

1162889

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1058333

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16
all docs

16
docs citations

16
times ranked

441
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaussian process-assisted active learning for autonomous data acquisition of impact echo. Automation in Construction, 2022, 139, 104269.	4.8	2
2	Concrete Delamination Depth Estimation Using a Noncontact MEMS Ultrasonic Sensor Array and an Optimization Approach. Applied Sciences (Switzerland), 2021, 11, 592.	1.3	9
3	Numerical Analysis of Ultrasonic Multiple Scattering for Fine Dust Number Density Estimation. Applied Sciences (Switzerland), 2021, 11, 555.	1.3	3
4	Monitoring Hardening Behavior of Cementitious Materials Using Contactless Ultrasonic Method. Sensors, 2021, 21, 3421.	2.1	6
5	A Study on the Detection of Internal Defect Types for Duct Depth of Prestressed Concrete Structures Using Electromagnetic and Elastic Waves. Materials, 2021, 14, 3931.	1.3	6
6	Experimental Analysis of Ultrasonic Multiple Scattering Attenuation through the Air with Fine Dust. Applied Sciences (Switzerland), 2021, 11, 694.	1.3	1
7	Evaluation of stiffening behavior of concrete based on contactless ultrasonic system and maturity method. Construction and Building Materials, 2020, 262, 120717.	3.2	13
8	Application of Tooth Gear Impact-Echo System for Repeated and Rapid Data Acquisition. Applied Sciences (Switzerland), 2020, 10, 4784.	1.3	3
9	Study on Prediction and Application of Initial Chord Elastic Modulus with Resonance Frequency Test of ASTM C 215. Applied Sciences (Switzerland), 2020, 10, 5464.	1.3	0
10	Ultrasonic imaging of multi-layer concrete structures. NDT and E International, 2018, 98, 101-109.	1.7	54
11	Laboratory assessment of nine methods for nondestructive evaluation of concrete bridge decks with overlays. Construction and Building Materials, 2018, 188, 966-982.	3.2	46
12	Integrated visualization for reinforced concrete using ultrasonic tomography and image-based 3-D reconstruction. Construction and Building Materials, 2016, 123, 384-393.	3.2	22
13	Comparison of Ultrasonic Imaging Techniques for Full-Scale Reinforced Concrete. Transportation Research Record, 2016, 2592, 126-135.	1.0	14
14	Target-free approach for vision-based structural system identification using consumer-grade cameras. Structural Control and Health Monitoring, 2016, 23, 1405-1416.	1.9	196
15	NDE application of ultrasonic tomography to a full-scale concrete structure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1076-1085.	1.7	70
16	Application of semi-coupled ultrasonic pulse velocity to image concrete structures using tomographic algorithms. , 2014, , .		1