

Hongjae Yim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8638421/publications.pdf>

Version: 2024-02-01

27
papers

622
citations

516710

16
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

476
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of thermally damaged concrete using a nonlinear ultrasonic method. Cement and Concrete Research, 2012, 42, 1438-1446.	11.0	68
2	Cement particle flocculation and breakage monitoring under Couette flow. Cement and Concrete Research, 2013, 53, 36-43.	11.0	55
3	Rheology of cement paste under high pressure. Cement and Concrete Composites, 2017, 77, 60-67.	10.7	46
4	Wave attenuation measurement technique for nondestructive evaluation of concrete. Nondestructive Testing and Evaluation, 2012, 27, 81-94.	2.1	38
5	Evaluation of internal bleeding in concrete using a self-weight bleeding test. Cement and Concrete Research, 2013, 53, 18-24.	11.0	37
6	Evaluation of mortar setting time by using electrical resistivity measurements. Construction and Building Materials, 2017, 146, 679-686.	7.2	36
7	Method for evaluating segregation in self-consolidating concrete using electrical resistivity measurements. Construction and Building Materials, 2020, 232, 117283.	7.2	31
8	Effects of post-fire curing conditions on the restoration of material properties of fire-damaged concrete. Construction and Building Materials, 2015, 99, 90-98.	7.2	30
9	Hydration and microstructural characterization of early-age cement paste with ultrasonic wave velocity and electrical resistivity measurements. Construction and Building Materials, 2021, 303, 124508.	7.2	30
10	Quantitative measurement of the external and internal bleeding of conventional concrete and SCC. Cement and Concrete Composites, 2014, 54, 34-39.	10.7	28
11	Nonlinear resonance vibration method to estimate the damage level on heat-exposed concrete. Fire Safety Journal, 2014, 69, 36-42.	3.1	26
12	Ultrasonic monitoring of the setting of cement-based materials: Frequency dependence. Construction and Building Materials, 2014, 65, 518-525.	7.2	22
13	Lamb Wave Line Sensing for Crack Detection in a Welded Stiffener. Sensors, 2014, 14, 12871-12884.	3.8	18
14	Experimental simulation of bleeding under a high concrete column. Cement and Concrete Research, 2014, 57, 61-69.	11.0	18
15	Evaluation of residual mechanical properties of concrete after exposure to high temperatures using impact resonance method. Construction and Building Materials, 2016, 129, 89-97.	7.2	18
16	Evaluation of Fire-Damaged Concrete: An Experimental Analysis based on Destructive and Nondestructive Methods. International Journal of Concrete Structures and Materials, 2017, 11, 447-457.	3.2	18
17	Sensitivity and accuracy for rheological simulation of cement-based materials. Computers and Concrete, 2015, 15, 903-919.	0.7	17
18	Evaluation of residual tensile strength of fire-damaged concrete using a non-linear resonance vibration method. Magazine of Concrete Research, 2015, 67, 235-246.	2.0	16

#	ARTICLE	IF	CITATIONS
19	Physicochemical and mechanical changes of thermally damaged cement pastes and concrete for re-curing conditions. <i>Cement and Concrete Research</i> , 2019, 125, 105831.	11.0	15
20	Physical Characterization of Cementitious Materials on Casting and Placing Process. <i>Materials</i> , 2014, 7, 3049-3064.	2.9	12
21	Influence of Portland cement and ground-granulated blast-furnace slag on bleeding of fresh mix. <i>Construction and Building Materials</i> , 2015, 80, 132-140.	7.2	11
22	Evaluation of Microcracks in Thermal Damaged Concrete Using Nonlinear Ultrasonic Modulation Technique. <i>Journal of the Korea Concrete Institute</i> , 2012, 24, 651-658.	0.2	9
23	Water depercolation of setting cement paste evaluated by diffuse ultrasound. <i>Cement and Concrete Composites</i> , 2016, 71, 10-19.	10.7	8
24	Air voids size distribution determined by ultrasonic attenuation. <i>Construction and Building Materials</i> , 2013, 47, 502-510.	7.2	7
25	Evaluation of freezing and thawing damage of concrete using a nonlinear ultrasonic method. <i>Smart Structures and Systems</i> , 2016, 17, 45-58.	1.9	6
26	Setting Time Evaluation of Concrete Using Electrical Resistivity Measurement. <i>Journal of the Korea Concrete Institute</i> , 2017, 29, 361-369.	0.2	1
27	Analysis of Factors Influencing Fire Damage to Concrete Using Nonlinear Resonance Vibration Method. <i>Journal of the Korean Society for Nondestructive Testing</i> , 2015, 35, 150-156.	0.2	1