Hongjae Yim

List of Publications by Year
in descending order

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		516710	580821
27	622	16	25
papers	citations	h-index	g-index

27	27	27	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Method for evaluating segregation in self-consolidating concrete using electrical resistivity measurements. Construction and Building Materials, 2020, 232, 117283.	7.2	31
3	Physicochemical and mechanical changes of thermally damaged cement pastes and concrete for re-curing conditions. Cement and Concrete Research, 2019, 125, 105831.	11.0	15
4	Evaluation of mortar setting time by using electrical resistivity measurements. Construction and Building Materials, 2017, 146, 679-686.	7.2	36
5	Rheology of cement paste under high pressure. Cement and Concrete Composites, 2017, 77, 60-67.	10.7	46
6	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
7	Setting Time Evaluation of Concrete Using Electrical Resistivity Measurement. Journal of the Korea Concrete Institute, 2017, 29, 361-369.	0.2	1
8	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
9	Water depercolation of setting cement paste evaluated by diffuse ultrasound. Cement and Concrete Composites, 2016, 71, 10-19.	10.7	8
10	Evaluation of freezing and thawing damage of concrete using a nonlinear ultrasonic method. Smart Structures and Systems, 2016, 17, 45-58.	1.9	6
11	Influence of Portland cement and ground-granulated blast-furnace slag on bleeding of fresh mix. Construction and Building Materials, 2015, 80, 132-140.	7.2	11
12	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
13	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
14	Sensitivity and accuracy for rheological simulation of cement-based materials. Computers and Concrete, 2015, 15, 903-919.	0.7	17
15	Analysis of Factors Influencing Fire Damage to Concrete Using Nonlinear Resonance Vibration Method. Journal of the Korean Society for Nondestructive Testing, 2015, 35, 150-156.	0.2	1
16	Lamb Wave Line Sensing for Crack Detection in a Welded Stiffener. Sensors, 2014, 14, 12871-12884.	3.8	18
17	Physical Characterization of Cementitious Materials on Casting and Placing Process. Materials, 2014, 7, 3049-3064.	2.9	12
18	Experimental simulation of bleeding under a high concrete column. Cement and Concrete Research, 2014, 57, 61-69.	11.0	18

#	ARTICLE	IF	CITATIONS
19	Nonlinear resonance vibration method to estimate the damage level on heat-exposed concrete. Fire Safety Journal, 2014, 69, 36-42.	3.1	26
20	Quantitative measurement of the external and internal bleeding of conventional concrete and SCC. Cement and Concrete Composites, 2014, 54, 34-39.	10.7	28
21	Ultrasonic monitoring of the setting of cement-based materials: Frequency dependence. Construction and Building Materials, 2014, 65, 518-525.	7.2	22
22	Evaluation of internal bleeding in concrete using a self-weight bleeding test. Cement and Concrete Research, 2013, 53, 18-24.	11.0	37
23	Air voids size distribution determined by ultrasonic attenuation. Construction and Building Materials, 2013, 47, 502-510.	7.2	7
24	Cement particle flocculation and breakage monitoring under Couette flow. Cement and Concrete Research, 2013, 53, 36-43.	11.0	55
25	Wave attenuation measurement technique for nondestructive evaluation of concrete. Nondestructive Testing and Evaluation, 2012, 27, 81-94.	2.1	38
26	Characterization of thermally damaged concrete using a nonlinear ultrasonic method. Cement and Concrete Research, 2012, 42, 1438-1446.	11.0	68
27	Evaluation of Microcracks in Thermal Damaged Concrete Using Nonlinear Ultrasonic Modulation Technique. Journal of the Korea Concrete Institute, 2012, 24, 651-658.	0.2	9