

# Jeongsoo Nam

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

750  
citations

516681

16  
h-index

552766

26  
g-index

43  
all docs

43  
docs citations

43  
times ranked

664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frost resistance of polyvinyl alcohol fiber and polypropylene fiber reinforced cementitious composites under freeze thaw cycling. <i>Composites Part B: Engineering</i> , 2016, 90, 241-250.	12.0	107
2	Effect of moisture migration and water vapor pressure build-up with the heating rate on concrete spalling type. <i>Cement and Concrete Research</i> , 2019, 116, 1-10.	11.0	62
3	Evaluation of concrete degradation depending on heating conditions by ultrasonic pulse velocity. <i>Construction and Building Materials</i> , 2018, 171, 511-520.	7.2	55
4	Assessment of flexural toughness and impact resistance of bundle-type polyamide fiber-reinforced concrete. <i>Composites Part B: Engineering</i> , 2015, 78, 431-446.	12.0	42
5	Effectiveness of Fiber Reinforcement on the Mechanical Properties and Shrinkage Cracking of Recycled Fine Aggregate Concrete. <i>Materials</i> , 2016, 9, 131.	2.9	40
6	Strength and Microstructure of Class-C Fly Ash and GGBS Blend Geopolymer Activated in NaOH & NaOH + Na <sub>2</sub> SiO <sub>3</sub> . <i>Materials</i> , 2020, 13, 59.	2.9	37
7	Static mechanical properties and impact resistance of amorphous metallic fiber-reinforced concrete. <i>Composite Structures</i> , 2015, 134, 831-844.	5.8	30
8	Strain rate effects on the compressive and tensile behavior of bundle-type polyamide fiber-reinforced cementitious composites. <i>Composites Part B: Engineering</i> , 2019, 160, 50-65.	12.0	27
9	Compressive strength, resistance to chloride-ion penetration and freezing/thawing of slag-replaced concrete and cementless slag concrete containing desulfurization slag activator. <i>Construction and Building Materials</i> , 2016, 128, 341-348.	7.2	26
10	Experimental Investigation on the Blast Resistance of Fiber-Reinforced Cementitious Composite Panels Subjected to Contact Explosions. <i>International Journal of Concrete Structures and Materials</i> , 2017, 11, 29-43.	3.2	24
11	Effects of waste glass as a sand replacement on the strength and durability of fly ash/GGBS based alkali activated mortar. <i>Ceramics International</i> , 2021, 47, 21175-21196.	4.8	24
12	Analysis of hydration heat and autogenous shrinkage of high-strength mass concrete. <i>Magazine of Concrete Research</i> , 2011, 63, 377-389.	2.0	20
13	Comparative assessment of failure characteristics on fiber-reinforced cementitious composite panels under high-velocity impact. <i>Composites Part B: Engineering</i> , 2016, 99, 84-97.	12.0	19
14	Creep Behavior of High-Strength Concrete Subjected to Elevated Temperatures. <i>Materials</i> , 2017, 10, 781.	2.9	17
15	Effect of amorphous metallic fiber on mechanical properties of high-strength concrete exposed to high-temperature. <i>Construction and Building Materials</i> , 2019, 218, 448-456.	7.2	16
16	Shrinkage properties of concretes using blast furnace slag and frost-resistant accelerator. <i>Construction and Building Materials</i> , 2019, 220, 1-9.	7.2	16
17	Effects of the strain rate and fiber blending ratio on the tensile behavior of hooked steel fiber and polyvinyl alcohol fiber hybrid reinforced cementitious composites. <i>Cement and Concrete Composites</i> , 2020, 106, 103482.	10.7	16
18	Concrete Corrosion Cracking and Transverse Bar Strain Behavior in a Reinforced Concrete Column under Simulated Marine Conditions. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1794.	2.5	14

#	ARTICLE	IF	CITATIONS
19	Effects of waste glass sand on the thermal behavior and strength of fly ash and GGBS based alkali activated mortar exposed to elevated temperature. <i>Construction and Building Materials</i> , 2022, 316, 125864.	7.2	14
20	Direct tensile behavior of amorphous metallic fiber-reinforced cementitious composites: Effect of fiber length, fiber volume fraction, and strain rate. <i>Composites Part B: Engineering</i> , 2019, 177, 107430.	12.0	13
21	Influence of $\hat{I}_{\pm}$ -Calcium Sulfate Hemihydrate on Setting, Compressive Strength, and Shrinkage Strain of Cement Mortar. <i>Materials</i> , 2019, 12, 163.	2.9	13
22	Influence of amorphous metallic fibers on spalling properties of high-strength concrete exposed to high temperature. <i>Construction and Building Materials</i> , 2020, 263, 120711.	7.2	13
23	Strain Behavior of Concrete Panels Subjected to Different Nose Shapes of Projectile Impact. <i>Materials</i> , 2018, 11, 409.	2.9	11
24	Engineering Properties and Optimal Conditions of Cementless Grouting Materials. <i>Materials</i> , 2019, 12, 3059.	2.9	11
25	Effects of strain rate on the tensile behavior of cementitious composites made with amorphous metallic fiber. <i>Cement and Concrete Composites</i> , 2020, 108, 103519.	10.7	9
26	Numerical Investigation on Lateral Confinement Effects on Concrete Cracking Induced by Rebar Corrosion. <i>Materials</i> , 2020, 13, 1156.	2.9	9
27	Impact resistance, flexural and tensile properties of amorphous metallic fiber-reinforced cementitious composites according to fiber length. <i>Construction and Building Materials</i> , 2021, 271, 121872.	7.2	9
28	Spalling Resistance of Fiber-Reinforced Ultra-High-Strength Concrete Subjected to the ISO-834 Standard Fire Curve: Effects of Thermal Strain and Water Vapor Pressure. <i>Materials</i> , 2020, 13, 3792.	2.9	8
29	Compressive Creep and Shrinkage of High-Strength Concrete Based on Limestone Coarse Aggregate Applied to High-Rise Buildings. <i>Materials</i> , 2021, 14, 5026.	2.9	8
30	Incorporation of Waste Glass as an Activator in Class-C Fly Ash/GGBS Based Alkali Activated Material. <i>Materials</i> , 2020, 13, 3906.	2.9	7
31	Effect of Mass Loss of Organic Fiber on the Water Vapor Pressure and Moisture Migration of 150 and 200 MPa Ultra-High Strength Concrete Exposed to High Temperature. <i>Journal of Advanced Concrete Technology</i> , 2020, 18, 339-351.	1.8	5
32	Analysis of the Aggregate Effect on the Compressive Strength of Concrete Using Dune Sand. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1952.	2.5	5
33	Effect of Injecting Epoxy Resin Adhesive into Cement Mortar on Tile Adhesion Performance. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8527.	2.5	4
34	Electromagnetic Wave Shielding Properties of Amorphous Metallic Fiber-Reinforced High-Strength Concrete Using Waveguides. <i>Materials</i> , 2021, 14, 7052.	2.9	4
35	Effect of Dune Sand on Drying Shrinkage Cracking of Fly Ash Concrete. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3128.	2.5	4
36	Evaluation of Chloride-Ion Diffusion Characteristics of Wave Power Marine Concrete Structures. <i>Materials</i> , 2021, 14, 5675.	2.9	3

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37	CRACKING BEHAVIOR CAUSED BY CORROSION AND INCREASING STRAIN OF TRANSVERSE BARS IN RC COLUMNS UNDER A SALT-ATTACK ENVIRONMENT. Journal of Structural and Construction Engineering, 2016, 81, 323-333.	0.5	2
38	CORROSION BEHAVIORS BEFORE AND AFTER CRACKING INDUCED BY CORRODING BARS AND CRACK PROPAGATIONS. Journal of Structural and Construction Engineering, 2016, 81, 1609-1618.	0.5	2
39	Explosive Spalling Behavior of Single-Sided Heated Concrete According to Compressive Strength and Heating Rate. Materials, 2021, 14, 6023.	2.9	2
40	Damage Evaluation of Aramid Fiber Reinforced Cement Composites by High Velocity Impact. Asian Journal of Chemistry, 2015, 27, 4266-4270.	0.3	1
41	A study on the Estimation of the Wave Load on the Structure of wave Energy Converter connected to Rubble-Mound Breakwater. Journal of the Korean Society for Marine Environment & Energy, 2021, 24, 179-190.	0.2	1
42	Effect of Fiber Blending Ratio on the Tensile Properties of Steel Fiber Hybrid Reinforced Cementitious Composites under Different Strain Rates. Materials, 2021, 14, 4504.	2.9	0
43	CRACKING BEHAVIORS CAUSED BY CORRODING BARS AND RISK ASSESSMENT OF CONCRETE PEELING-OFF. Journal of Structural and Construction Engineering, 2017, 82, 329-336.	0.5	0