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List of Publications by Year in descending order

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61	1,137	394286	414303
papers	citations	19 h-index	32 g-index

61	61	61	954
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Frost resistance of polyvinyl alcohol fiber and polypropylene fiber reinforced cementitious composites under freeze thaw cycling. Composites Part B: Engineering, 2016, 90, 241-250.	5.9	107
2	Evaluation of the mechanical properties of 200 MPa ultra-high-strength concrete at elevated temperatures and residual strength of column. Construction and Building Materials, 2015, 86, 159-168.	3.2	70
3	Effect of moisture migration and water vapor pressure build-up with the heating rate on concrete spalling type. Cement and Concrete Research, 2019, 116, 1-10.	4.6	62
4	Strength development properties of geopolymer paste and mortar with respect to amorphous Si/Al ratio of fly ash. Construction and Building Materials, 2017, 151, 512-519.	3.2	56
5	Evaluation of concrete degradation depending on heating conditions by ultrasonic pulse velocity. Construction and Building Materials, 2018, 171, 511-520.	3.2	55
6	Effect of coarse aggregate type and loading level on the high temperature properties of concrete. Construction and Building Materials, 2015, 78, 26-33.	3.2	50
7	Mechanical properties of high-strength concrete subjected to high temperature by stressed test. Transactions of Nonferrous Metals Society of China, 2009, 19, s128-s133.	1.7	43
8	Assessment of flexural toughness and impact resistance of bundle-type polyamide fiber-reinforced concrete. Composites Part B: Engineering, 2015, 78, 431-446.	5.9	42
9	An experimental study on the residual mechanical properties of fiber reinforced concrete with high temperature and load. Materials and Structures/Materiaux Et Constructions, 2013, 46, 607-620.	1.3	40
10	Effectiveness of Fiber Reinforcement on the Mechanical Properties and Shrinkage Cracking of Recycled Fine Aggregate Concrete. Materials, 2016, 9, 131.	1.3	40
11	Strength and Microstructure of Class-C Fly Ash and GGBS Blend Geopolymer Activated in NaOH & NaOH + Na2SiO3. Materials, 2020, 13, 59.	1.3	37
12	Response of UHPFRC and HDFRC under static and high-velocity projectile impact loads. Construction and Building Materials, 2018, 188, 399-408.	3.2	33
13	Static mechanical properties and impact resistance of amorphous metallic fiber-reinforced concrete. Composite Structures, 2015, 134, 831-844.	3.1	30
14	Restrained shrinkage behavior of expansive mortar at early ages. Construction and Building Materials, 2015, 84, 468-476.	3.2	27
15	Strain rate effects on the compressive and tensile behavior of bundle-type polyamide fiber-reinforced cementitious composites. Composites Part B: Engineering, 2019, 160, 50-65.	5.9	27
16	Compressive strength, resistance to chloride-ion penetration and freezing/thawing of slag-replaced concrete and cementless slag concrete containing desulfurization slag activator. Construction and Building Materials, 2016, 128, 341-348.	3.2	26
17	Experimental Investigation on the Blast Resistance of Fiber-Reinforced Cementitious Composite Panels Subjected to Contact Explosions. International Journal of Concrete Structures and Materials, 2017, 11, 29-43.	1.4	24
18	Effects of waste glass as a sand replacement on the strength and durability of fly ash/GGBS based alkali activated mortar. Ceramics International, 2021, 47, 21175-21196.	2.3	24

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19	Analysis of hydration heat and autogenous shrinkage of high-strength mass concrete. Magazine of Concrete Research, 2011, 63, 377-389.	0.9	20
20	Polyamide Fiber Reinforced Shotcrete for Tunnel Application. Materials, 2016, 9, 163.	1.3	19
21	Comparative assessment of failure characteristics on fiber-reinforced cementitious composite panels under high-velocity impact. Composites Part B: Engineering, 2016, 99, 84-97.	5.9	19
22	Thermal strain behavior and strength degradation of ultra-high-strength-concrete. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3411-3421.	1.3	17
23	Creep Behavior of High-Strength Concrete Subjected to Elevated Temperatures. Materials, 2017, 10, 781.	1.3	17
24	Effect of amorphous metallic fiber on mechanical properties of high-strength concrete exposed to high-temperature. Construction and Building Materials, 2019, 218, 448-456.	3.2	16
25	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. Cement and Concrete Composites, 2020, 106, 103482.	4.6	16
26	Concrete Corrosion Cracking and Transverse Bar Strain Behavior in a Reinforced Concrete Column under Simulated Marine Conditions. Applied Sciences (Switzerland), 2020, 10, 1794.	1.3	14
27	Effects of waste glass sand on the thermal behavior and strength of fly ash and GGBS based alkali activated mortar exposed to elevated temperature. Construction and Building Materials, 2022, 316, 125864.	3.2	14
28	Direct tensile behavior of amorphous metallic fiber-reinforced cementitious composites: Effect of fiber length, fiber volume fraction, and strain rate. Composites Part B: Engineering, 2019, 177, 107430.	5.9	13
29	Influence of Î±-Calcium Sulfate Hemihydrate on Setting, Compressive Strength, and Shrinkage Strain of Cement Mortar. Materials, 2019, 12, 163.	1.3	13
30	Influence of amorphous metallic fibers on spalling properties of high-strength concrete exposed to high temperature. Construction and Building Materials, 2020, 263, 120711.	3.2	13
31	Evaluation of properties of concrete using fluosilicate salts and metal (Ni, W) compounds. Transactions of Nonferrous Metals Society of China, 2009, 19, s134-s142.	1.7	12
32	Strain Behavior of Concrete Panels Subjected to Different Nose Shapes of Projectile Impact. Materials, 2018, 11, 409.	1.3	11
33	Engineering Properties and Optimal Conditions of Cementless Grouting Materials. Materials, 2019, 12, 3059.	1.3	11
34	Mechanical Properties of Concrete depending on Cooling Conditions After High Temperature Heating. Journal of Advanced Concrete Technology, 2014, 12, 82-90.	0.8	10
35	Mechanical properties of light weight concrete at elevated temperature. International Journal of Precision Engineering and Manufacturing, 2015, 16, 1867-1874.	1.1	9
36	Effect of aggregate on residual mechanical properties of heated ultra-high-strength concrete. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3847-3859.	1.3	9

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37	Effects of strain rate on the tensile behavior of cementitious composites made with amorphous metallic fiber. Cement and Concrete Composites, 2020, 108, 103519.	4.6	9
38	Numerical Investigation on Lateral Confinement Effects on Concrete Cracking Induced by Rebar Corrosion. Materials, 2020, 13, 1156.	1.3	9
39	Impact resistance, flexural and tensile properties of amorphous metallic fiber-reinforced cementitious composites according to fiber length. Construction and Building Materials, 2021, 271, 121872.	3.2	9
40	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. Materials, 2020, 13, 3792.	1.3	8
41	Compressive Creep and Shrinkage of High-Strength Concrete Based on Limestone Coarse Aggregate Applied to High-Rise Buildings. Materials, 2021, 14, 5026.	1.3	8
42	Incorporation of Waste Glass as an Activator in Class-C Fly Ash/GGBS Based Alkali Activated Material. Materials, 2020, 13, 3906.	1.3	7
43	Hydration Heat and Autogenous Shrinkage of High-Strength Mass Concrete Containing Phase Change Material. Journal of Asian Architecture and Building Engineering, 2010, 9, 455-462.	1.2	6
44	Hydration Heat and Autogenous Shrinkage of High-Strength Mass Concrete. Journal of Asian Architecture and Building Engineering, 2009, 8, 509-516.	1.2	5
45	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. Journal of Advanced Concrete Technology, 2020, 18, 339-351.	0.8	5
46	Effect of Injecting Epoxy Resin Adhesive into Cement Mortar on Tile Adhesion Performance. Applied Sciences (Switzerland), 2020, 10, 8527.	1.3	4
47	Electromagnetic Wave Shielding Properties of Amorphous Metallic Fiber-Reinforced High-Strength Concrete Using Waveguides. Materials, 2021, 14, 7052.	1.3	4
48	Effects of hydration heat velocity on autogenous shrinkage of high-strength concrete. Magazine of Concrete Research, 2013, 65, 1385-1395.	0.9	3
49	Evaluation of Chloride-Ion Diffusion Characteristics of Wave Power Marine Concrete Structures. Materials, 2021, 14, 5675.	1.3	3
50	Compressive Strength Properties of Geopolymer Using Power Plant Bottom Ash and NaOH Activator. Korean Journal of Materials Research, 2012, 22, 71-77.	0.1	3
51	Flexure Performance of Two-Dimensional Textile Reinforced Mortar. Advanced Science Letters, 2016, 22, 3323-3327.	0.2	2
52	Explosive Spalling Behavior of Single-Sided Heated Concrete According to Compressive Strength and Heating Rate. Materials, 2021, 14, 6023.	1.3	2
53	A Study on Thermal Efficiency of Heat Testing Machine for Heat Transfer of Concrete at High Temperature. Journal of Asian Architecture and Building Engineering, 2010, 9, 431-438.	1.2	1
54	Damage Evaluation of Aramid Fiber Reinforced Cement Composites by High Velocity Impact. Asian Journal of Chemistry, 2015, 27, 4266-4270.	0.1	1

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55	Effects of Blast Furnace Slag Powder and Limestone Powder on the Mechanical Properties and Durability of Shotcrete Using Monocalcium Aluminate Setting Accelerator. Materials, 2022, 15, 2495.	1.3	1
56	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.	0.1	1
57	Effects of Mineral Activators on Hydration Properties of Ternary, Low-Heat Blended Cement with Abundant Ground Granulated Blast-Furnace Slag. Asian Journal of Chemistry, 2015, 27, 4193-4196.	0.1	0
58	Melting Effect on Fiber to Prevent Spalling on High Strength Concrete. Asian Journal of Chemistry, 2015, 27, 4197-4200.	0.1	0
59	Spalling and Water Vapour Pressure of Concrete with Heating Velocity. Asian Journal of Chemistry, 2015, 27, 4219-4222.	0.1	0
60	Compressive Strength of Concrete Based on Slag Binder Using Pig Iron Preliminary Treatment Slag as Activator. Asian Journal of Chemistry, 2015, 27, 4239-4242.	0.1	0
61	Effect of Fiber Blending Ratio on the Tensile Properties of Steel Fiber Hybrid Reinforced Cementitious Composites under Different Strain Rates. Materials, 2021, 14, 4504.	1.3	0