

Sol Moi Park

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146
papers

4,702
citations

36
h-index

63
g-index

152
ext. papers

5,914
ext. citations

5.9
avg, IF

6.55
L-index

#	Paper	IF	Citations
146	Setting and mechanical properties of alkali-activated fly ash/slag concrete manufactured at room temperature. <i>Construction and Building Materials</i> , 2013 , 47, 1201-1209	6.7	329
145	Enhanced effect of carbon nanotube on mechanical and electrical properties of cement composites by incorporation of silica fume. <i>Composite Structures</i> , 2014 , 107, 60-69	5.3	219
144	Shrinkage characteristics of alkali-activated fly ash/slag paste and mortar at early ages. <i>Cement and Concrete Composites</i> , 2014 , 53, 239-248	8.6	207
143	Fresh and hardened properties of alkali-activated fly ash/slag pastes with superplasticizers. <i>Construction and Building Materials</i> , 2014 , 50, 169-176	6.7	177
142	Autogenous shrinkage of concrete containing granulated blast-furnace slag. <i>Cement and Concrete Research</i> , 2006 , 36, 1279-1285	10.3	159
141	Improved piezoresistive sensitivity and stability of CNT/cement mortar composites with low water/Binder ratio. <i>Composite Structures</i> , 2014 , 116, 713-719	5.3	136
140	Reactivity and reaction products of alkali-activated, fly ash/slag paste. <i>Construction and Building Materials</i> , 2015 , 81, 303-312	6.7	126
139	Microstructural densification and CO ₂ uptake promoted by the carbonation curing of belite-rich Portland cement. <i>Cement and Concrete Research</i> , 2016 , 82, 50-57	10.3	110
138	Electromagnetic interference shielding/absorbing characteristics of CNT-embedded epoxy composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 1110-1118	8.4	106
137	Review on recent advances in CO ₂ utilization and sequestration technologies in cement-based materials. <i>Construction and Building Materials</i> , 2016 , 127, 762-773	6.7	105
136	Influence of the slag content on the chloride and sulfuric acid resistances of alkali-activated fly ash/slag paste. <i>Cement and Concrete Composites</i> , 2016 , 72, 168-179	8.6	99
135	Physicochemical properties of binder gel in alkali-activated fly ash/slag exposed to high temperatures. <i>Cement and Concrete Research</i> , 2016 , 89, 72-79	10.3	98
134	Microbially mediated calcium carbonate precipitation on normal and lightweight concrete. <i>Construction and Building Materials</i> , 2013 , 38, 1073-1082	6.7	93
133	Influence of silica fume additions on electromagnetic interference shielding effectiveness of multi-walled carbon nanotube/cement composites. <i>Construction and Building Materials</i> , 2012 , 30, 480-487	6.7	87
132	Heating and heat-dependent mechanical characteristics of CNT-embedded cementitious composites. <i>Composite Structures</i> , 2016 , 136, 162-170	5.3	80
131	Influences of CNT dispersion and pore characteristics on the electrical performance of cementitious composites. <i>Composite Structures</i> , 2017 , 164, 32-42	5.3	69
130	Intrinsic electromagnetic radiation shielding/absorbing characteristics of polyaniline-coated transparent thin films. <i>Synthetic Metals</i> , 2010 , 160, 1838-1842	3.6	69

129	Carbon nanotube (CNT) incorporated cementitious composites for functional construction materials: The state of the art. <i>Composite Structures</i> , 2019 , 227, 111244	5.3	61
128	Synthesis of mesoporous geopolymers containing zeolite phases by a hydrothermal treatment. <i>Microporous and Mesoporous Materials</i> , 2016 , 229, 22-30	5.3	61
127	Coal bottom ash in field of civil engineering: A review of advanced applications and environmental considerations. <i>KSCE Journal of Civil Engineering</i> , 2015 , 19, 1802-1818	1.9	60
126	Effect of fly ash characteristics on delayed high-strength development of geopolymers. <i>Construction and Building Materials</i> , 2016 , 102, 260-269	6.7	59
125	Adsorption characteristics of cesium onto mesoporous geopolymers containing nano-crystalline zeolites. <i>Microporous and Mesoporous Materials</i> , 2017 , 242, 238-244	5.3	58
124	Flow, water absorption, and mechanical characteristics of normal- and high-strength mortar incorporating fine bottom ash aggregates. <i>Construction and Building Materials</i> , 2012 , 26, 249-256	6.7	57
123	Alkali-activated, cementless, controlled low-strength materials (CLSM) utilizing industrial by-products. <i>Construction and Building Materials</i> , 2013 , 49, 738-746	6.7	56
122	A damage constitutive model of progressive debonding in aligned discontinuous fiber composites. <i>International Journal of Solids and Structures</i> , 2001 , 38, 875-895	3.1	56
121	Synthesis of geopolymer-supported zeolites via robust one-step method and their adsorption potential. <i>Journal of Hazardous Materials</i> , 2018 , 353, 522-533	12.8	54
120	Mechanical properties and setting characteristics of geopolymer mortar using styrene-butadiene (SB) latex. <i>Construction and Building Materials</i> , 2016 , 113, 264-272	6.7	52
119	Behavior and performance of RC T-section deep beams externally strengthened in shear with CFRP sheets. <i>Composite Structures</i> , 2011 , 93, 911-922	5.3	50
118	Flexural stress and crack sensing capabilities of MWNT/cement composites. <i>Composite Structures</i> , 2017 , 175, 86-100	5.3	49
117	Mechanical properties of lightweight concrete made with coal ashes after exposure to elevated temperatures. <i>Cement and Concrete Composites</i> , 2016 , 72, 27-38	8.6	49
116	Electrical characteristics of hierarchical conductive pathways in cementitious composites incorporating CNT and carbon fiber. <i>Cement and Concrete Composites</i> , 2017 , 82, 165-175	8.6	44
115	Modeling of progressive damage in aligned and randomly oriented discontinuous fiber polymer matrix composites. <i>Composites Part B: Engineering</i> , 2000 , 31, 77-86	10	44
114	Unlocking the role of MgO in the carbonation of alkali-activated slag cement. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1661-1670	6.8	42
113	Physical barrier effect of geopolymeric waste form on diffusivity of cesium and strontium. <i>Journal of Hazardous Materials</i> , 2016 , 318, 339-346	12.8	39
112	The electrically conductive carbon nanotube (CNT)/cement composites for accelerated curing and thermal cracking reduction. <i>Composite Structures</i> , 2016 , 158, 20-29	5.3	38

111	Structural repair and strengthening of damaged RC beams with sprayed FRP. <i>Composite Structures</i> , 2004 , 63, 201-209	5.3	36
110	Defect identification in composite materials via thermography and deep learning techniques. <i>Composite Structures</i> , 2020 , 246, 112405	5.3	35
109	Effect of superplasticizer type and siliceous materials on the dispersion of carbon nanotube in cementitious composites. <i>Composite Structures</i> , 2018 , 185, 264-272	5.3	34
108	Percolation threshold and piezoresistive response of multi-wall carbon nanotube/cement composites. <i>Smart Structures and Systems</i> , 2016 , 18, 217-231		33
107	Effect of nano-silica on hydration and conversion of calcium aluminate cement. <i>Construction and Building Materials</i> , 2018 , 169, 819-825	6.7	32
106	Synergistic effects of carbon nanotubes and carbon fibers on heat generation and electrical characteristics of cementitious composites. <i>Carbon</i> , 2018 , 134, 283-292	10.4	31
105	Predictions of viscoelastic strain rate dependent behavior of fiber-reinforced polymeric composites. <i>Composite Structures</i> , 2012 , 94, 1420-1429	5.3	31
104	Silica aerogel derived from rice husk: an aggregate replacer for lightweight and thermally insulating cement-based composites. <i>Construction and Building Materials</i> , 2019 , 195, 312-322	6.7	31
103	Utilization of circulating fluidized bed combustion ash in producing controlled low-strength materials with cement or sodium carbonate as activator. <i>Construction and Building Materials</i> , 2018 , 159, 642-651	6.7	30
102	Autogenous shrinkage and electrical characteristics of cement pastes and mortars with carbon nanotube and carbon fiber. <i>Construction and Building Materials</i> , 2018 , 177, 428-435	6.7	30
101	An NMR Spectroscopic Investigation of Aluminosilicate Gel in Alkali-Activated Fly Ash in a CO ₂ -Rich Environment. <i>Materials</i> , 2016 , 9,	3.5	30
100	Synergistic effect of MWNT/fly ash incorporation on the EMI shielding/absorbing characteristics of cementitious materials. <i>Construction and Building Materials</i> , 2016 , 115, 651-661	6.7	30
99	Evolution of the binder gel in carbonation-cured Portland cement in an acidic medium. <i>Cement and Concrete Research</i> , 2018 , 109, 81-89	10.3	29
98	Micromechanics-based constitutive modeling for unidirectional laminated composites. <i>International Journal of Solids and Structures</i> , 2006 , 43, 5674-5689	3.1	29
97	Internal-curing efficiency of cold-bonded coal bottom ash aggregate for high-strength mortar. <i>Construction and Building Materials</i> , 2016 , 126, 1-8	6.7	28
96	Stable conversion of metastable hydrates in calcium aluminate cement by early carbonation curing. <i>Journal of CO₂ Utilization</i> , 2017 , 21, 224-226	7.6	28
95	Heavy Metal Leaching, CO ₂ Uptake and Mechanical Characteristics of Carbonated Porous Concrete with Alkali-Activated Slag and Bottom Ash. <i>International Journal of Concrete Structures and Materials</i> , 2015 , 9, 283-294	2.8	26
94	Fabrication and design of electromagnetic wave absorber composed of carbon nanotube-incorporated cement composites. <i>Composite Structures</i> , 2018 , 206, 439-447	5.3	25

93	The influence of sodium hydrogen carbonate on the hydration of cement. <i>Construction and Building Materials</i> , 2015 , 94, 746-749	6.7	24
92	Ureolytic/Non-Ureolytic Bacteria Co-Cultured Self-Healing Agent for Cementitious Materials Crack Repair. <i>Materials</i> , 2018 , 11,	3.5	24
91	Hydration kinetics and products of MgO-activated blast furnace slag. <i>Construction and Building Materials</i> , 2020 , 249, 118700	6.7	24
90	Circulating fluidized bed combustion ash as controlled low-strength material (CLSM) by alkaline activation. <i>Construction and Building Materials</i> , 2017 , 156, 728-738	6.7	23
89	Mechanical properties and piezoresistive sensing capabilities of FRP composites incorporating CNT fibers. <i>Composite Structures</i> , 2017 , 178, 1-8	5.3	23
88	Interfacial bond behavior of FRP fabrics bonded to fiber-reinforced geopolymer mortar. <i>Composite Structures</i> , 2015 , 134, 353-368	5.3	22
87	Mechanical characteristics and strengthening effectiveness of random-chopped FRP composites containing air voids. <i>Composites Part B: Engineering</i> , 2014 , 62, 159-166	10	22
86	Numerical characterization of compressive response and damage evolution in laminated plates containing a cutout. <i>Composites Science and Technology</i> , 2007 , 67, 2221-2230	8.6	22
85	Alkali activated slag pastes with surface-modified blast furnace slag. <i>Cement and Concrete Composites</i> , 2017 , 76, 39-47	8.6	21
84	Image Analysis and DC Conductivity Measurement for the Evaluation of Carbon Nanotube Distribution in Cement Matrix. <i>International Journal of Concrete Structures and Materials</i> , 2015 , 9, 427-438 ^{2,8}		21
83	Bond characteristics of sprayed FRP composites bonded to concrete substrate considering various concrete surface conditions. <i>Composite Structures</i> , 2013 , 100, 270-279	5.3	20
82	Numerical evaluation of shear strengthening performance of CFRP sheets/strips and sprayed epoxy coating repair systems. <i>Composites Part B: Engineering</i> , 2008 , 39, 851-862	10	20
81	Evolution of zeolite crystals in geopolymer-supported zeolites: effects of composition of starting materials. <i>Materials Letters</i> , 2019 , 239, 33-36	3.3	20
80	Effect of carbonyl iron powder incorporation on the piezoresistive sensing characteristics of CNT-based polymeric sensor. <i>Composite Structures</i> , 2020 , 244, 112260	5.3	19
79	Carbonation-induced weathering effect on cesium retention of cement paste. <i>Journal of Nuclear Materials</i> , 2018 , 505, 159-164	3.3	19
78	Effect of MgO on chloride penetration resistance of alkali-activated binder. <i>Construction and Building Materials</i> , 2018 , 178, 584-592	6.7	19
77	Binder chemistry of sodium carbonate-activated CFBC fly ash. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018 , 51, 1	3.4	18
76	A combined molecular dynamics/micromechanics/finite element approach for multiscale constitutive modeling of nanocomposites with interface effects. <i>Applied Physics Letters</i> , 2013 , 103, 241903 ^{3,4}		18

75	Influence of carbon fiber additions on the electromagnetic wave shielding characteristics of CNT-cement composites. <i>Construction and Building Materials</i> , 2021 , 269, 121238	6.7	18
74	Calcined Oyster Shell Powder as an Expansive Additive in Cement Mortar. <i>Materials</i> , 2019 , 12,	3.5	17
73	Effectiveness of Retrofitting Damaged Concrete Beams with Sprayed Fiber-reinforced Polymer Coating. <i>Journal of Reinforced Plastics and Composites</i> , 2008 , 27, 1269-1286	2.9	17
72	Thermal behavior of alkali-activated fly ash/slag with the addition of an aerogel as an aggregate replacement. <i>Cement and Concrete Composites</i> , 2020 , 106, 103462	8.6	17
71	Effect of CaSO ₄ on hydration and phase conversion of calcium aluminate cement. <i>Construction and Building Materials</i> , 2019 , 224, 40-47	6.7	16
70	Cesium and Strontium Retentions Governed by Aluminosilicate Gel in Alkali-Activated Cements. <i>Materials</i> , 2017 , 10,	3.5	16
69	Characterization of blast furnace slag-blended Portland cement for immobilization of Co. <i>Cement and Concrete Research</i> , 2020 , 134, 106089	10.3	16
68	Thermal evolution of hydrates in carbonation-cured Portland cement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018 , 51, 1	3.4	15
67	3D-Damage Model for Fiber-Reinforced Brittle Composites with Microcracks and Imperfect Interfaces. <i>Journal of Engineering Mechanics - ASCE</i> , 2009 , 135, 1108-1118	2.4	15
66	Carbonation of calcium sulfoaluminate cement blended with blast furnace slag. <i>Cement and Concrete Composites</i> , 2021 , 118, 103918	8.6	15
65	Hydration of calcium sulfoaluminate cement blended with blast-furnace slag. <i>Construction and Building Materials</i> , 2021 , 268, 121214	6.7	15
64	Effectiveness of Anchorage in Concrete Beams Retrofitted with Sprayed Fiber-reinforced Polymers. <i>Journal of Reinforced Plastics and Composites</i> , 2004 , 23, 1285-1300	2.9	14
63	Formation of shlykovite and ASR-P1 in concrete under accelerated alkali-silica reaction at 60 and 80°C. <i>Cement and Concrete Research</i> , 2020 , 137, 106213	10.3	14
62	Interfacial crack-induced debonding behavior of sprayed FRP laminate bonded to RC beams. <i>Composite Structures</i> , 2015 , 128, 176-187	5.3	13
61	An experimental study on sag-resistance ability and applicability of sprayed FRP system on vertical and overhead concrete surfaces. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 21-33	3.4	13
60	Multi-level homogenization for the prediction of the mechanical properties of ultra-high-performance concrete. <i>Construction and Building Materials</i> , 2019 , 229, 116797	6.7	13
59	Structural strengthening and damage behaviors of hybrid sprayed fiber-reinforced polymer composites containing carbon fiber cores. <i>International Journal of Damage Mechanics</i> , 2017 , 26, 358-376 ³		13
58	Automated generation of carbon nanotube morphology in cement composite via data-driven approaches. <i>Composites Part B: Engineering</i> , 2019 , 167, 51-62	10	12

57	Effect of CaO incorporation on the microstructure and autogenous shrinkage of ternary blend Portland cement-slag-silica fume. <i>Construction and Building Materials</i> , 2020 , 249, 118691	6.7	12
56	Effects of silica aerogel inclusion on the stability of heat generation and heat-dependent electrical characteristics of cementitious composites with CNT. <i>Cement and Concrete Composites</i> , 2021 , 115, 103861	8.6	12
55	CO ₂ Uptake of Carbonation-Cured Cement Blended with Ground Volcanic Ash. <i>Materials</i> , 2018 , 11,	3.5	12
54	Improved electric heating characteristics of CNT-embedded polymeric composites with an addition of silica aerogel. <i>Composites Science and Technology</i> , 2021 , 212, 108866	8.6	12
53	Piezoresistive characteristics of CNT fiber-incorporated GFRP composites prepared with diversified fabrication schemes. <i>Composite Structures</i> , 2018 , 203, 835-843	5.3	11
52	Stability of MgO-modified geopolymeric gel structure exposed to a CO ₂ -rich environment. <i>Construction and Building Materials</i> , 2017 , 151, 178-185	6.7	11
51	Enhancement of the modulus of compression of calcium silicate hydrates via covalent synthesis of CNT and silica fume. <i>Construction and Building Materials</i> , 2019 , 198, 218-225	6.7	11
50	Hydration kinetics modeling of sodium silicate-activated slag: A comparative study. <i>Construction and Building Materials</i> , 2020 , 242, 118144	6.7	10
49	Strain rate and adhesive energy dependent viscoplastic damage modeling for nanoparticulate composites: Molecular dynamics and micromechanical simulations. <i>Applied Physics Letters</i> , 2014 , 104, 101901	3.4	10
48	Numerical study on retrofit and strengthening performance of sprayed fiber reinforced polymer. <i>Engineering Structures</i> , 2005 , 27, 1476-1487	4.7	10
47	Role of Al in the crystal growth of alkali-activated fly ash and slag under a hydrothermal condition. <i>Construction and Building Materials</i> , 2020 , 239, 117842	6.7	10
46	Recent advances in microbial viability and self-healing performance in bacterial-based cementitious materials: A review. <i>Construction and Building Materials</i> , 2021 , 274, 122094	6.7	10
45	Pressure-Induced Geopolymerization in Alkali-Activated Fly Ash. <i>Sustainability</i> , 2018 , 10, 3538	3.6	10
44	Effects of biological admixtures on hydration and mechanical properties of Portland cement paste. <i>Construction and Building Materials</i> , 2020 , 235, 117461	6.7	9
43	Advanced Spray Multiple Layup Process for Quality Control of Sprayed FRP Composites Used to Retrofit Concrete Structures. <i>Journal of Construction Engineering and Management - ASCE</i> , 2015 , 141, 04014060	4.2	8
42	Facile Synthesis of Sprayed CNTs Layer-Embedded Stretchable Sensors with Controllable Sensitivity. <i>Polymers</i> , 2021 , 13,	4.5	8
41	A novel physicomaterial approach to dispersion of carbon nanotubes in polypropylene composites. <i>Composite Structures</i> , 2021 , 258, 113377	5.3	8
40	Simulating the carbonation of calcium sulfoaluminate cement blended with supplementary cementitious materials. <i>Journal of CO₂ Utilization</i> , 2020 , 41, 101286	7.6	7

39	Influence of water ingress on the electrical properties and electromechanical sensing capabilities of CNT/cement composites. <i>Journal of Building Engineering</i> , 2021 , 42, 103065	5.2	7
38	Effect of CaSO Incorporation on Pore Structure and Drying Shrinkage of Alkali-Activated Binders. <i>Materials</i> , 2019 , 12,	3.5	6
37	Pull-off bond behavior of anchored random-chopped FRP composites bonded to concrete. <i>Composite Structures</i> , 2018 , 185, 193-202	5.3	6
36	The Effects of Temperature on the Hydrothermal Synthesis of Hydroxyapatite-Zeolite Using Blast Furnace Slag. <i>Materials</i> , 2019 , 12,	3.5	6
35	Strength Development of Alkali-Activated Fly Ash Exposed to a Carbon Dioxide-Rich Environment at an Early Age. <i>Journal of the Korean Ceramic Society</i> , 2016 , 53, 18-23	2.2	6
34	A computational framework for quantifying reactivity of fly ash in cement pastes from backscattered electron images. <i>Construction and Building Materials</i> , 2019 , 200, 630-636	6.7	6
33	Hydration characteristics of calcium sulfoaluminate (CSA) cement/portland cement blended pastes. <i>Journal of Building Engineering</i> , 2021 , 34, 101880	5.2	6
32	Bond characteristics of SFRP composites containing FRP core/anchors coated on geopolymers mortar. <i>Composite Structures</i> , 2018 , 189, 435-442	5.3	5
31	CO Uptake and Physicochemical Properties of Carbonation-Cured Ternary Blend Portland Cement-Metakaolin-Limestone Pastes. <i>Materials</i> , 2020 , 13,	3.5	5
30	Microstructural evolution and carbonation behavior of lime-slag binary binders. <i>Cement and Concrete Composites</i> , 2021 , 119, 104000	8.6	5
29	Utilization of Calcium Carbide Residue Using Granulated Blast Furnace Slag. <i>Materials</i> , 2019 , 12,	3.5	5
28	Hydration properties of alkali-activated fly ash/slag binders modified by MgO with different reactivity. <i>Journal of Building Engineering</i> , 2021 , 44, 103252	5.2	5
27	On the quantification of degrees of reaction and hydration of sodium silicate-activated slag cements. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020 , 53, 1	3.4	4
26	Structural evolution of binder gel in alkali-activated cements exposed to electrically accelerated leaching conditions. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121825	12.8	4
25	Reaction of hydrated cement paste with supercritical carbon dioxide. <i>Construction and Building Materials</i> , 2021 , 281, 122615	6.7	4
24	Characterization of reactive MgO-modified calcium sulfoaluminate cements upon carbonation. <i>Cement and Concrete Research</i> , 2021 , 146, 106484	10.3	4
23	Review on recent advances in securing the long-term durability of calcium aluminate cement (CAC)-based systems. <i>Functional Composites and Structures</i> , 2021 , 3, 035002	3.5	4
22	Parametric modeling of autogenous shrinkage of sodium silicate-activated slag. <i>Construction and Building Materials</i> , 2020 , 262, 120747	6.7	3

21	Shear Behavior and Performance of Deep Beams Reinforced with a Honeycomb Steel Mesh. <i>Advances in Structural Engineering</i> , 2010 , 13, 989-999	1.9	3
20	Thermo-mechanical analysis of road structures used in the on-line electric vehicle system. <i>Structural Engineering and Mechanics</i> , 2015 , 53, 519-536		3
19	Impact of Bio-Carrier Immobilized with Marine Bacteria on Self-Healing Performance of Cement-Based Materials. <i>Materials</i> , 2020 , 13,	3.5	3
18	The Effects of NaOH Concentration on the Hydrothermal Synthesis of a Hydroxyapatite-Zeolite Composite Using Blast Furnace Slag. <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 21	2.4	3
17	Flow Property of Alkali-Activated Slag with Modified Precursor. <i>ACI Materials Journal</i> , 2017 , 114,	0.9	3
16	Experimental and theoretical studies of hydration of ultra-high performance concrete cured under various curing conditions. <i>Construction and Building Materials</i> , 2021 , 278, 122352	6.7	3
15	Influence of Polyethylene Terephthalate Powder on Hydration of Portland Cement. <i>Polymers</i> , 2021 , 13,	4.5	3
14	Influence of Portland cement and alkali-activated slag binder on the thermoelectric properties of the p-type composites with MWCNT. <i>Construction and Building Materials</i> , 2021 , 292, 123393	6.7	3
13	Improved electromagnetic wave shielding capability of carbonyl iron powder-embedded lightweight CFRP composites. <i>Composite Structures</i> , 2022 , 286, 115326	5.3	2
12	Enhanced electrical heating capability of CNT-embedded cementitious composites exposed to water ingress with addition of silica aerogel. <i>Ceramics International</i> , 2022 ,	5.1	1
11	Thermodynamic modeling and mechanical properties of hybrid alkaline cement composites. <i>Construction and Building Materials</i> , 2022 , 322, 126381	6.7	1
10	Exploration of effects of CO ₂ exposure on the NO _x -removal performance of TiO ₂ -incorporated Portland cement evaluated via microstructural and morphological investigation. <i>Journal of Building Engineering</i> , 2021 , 103609	5.2	1
9	Evaluation of physicochemical properties and environmental impact of environmentally amicable Portland cement/metakaolin bricks exposed to humid or CO ₂ curing condition. <i>Journal of Building Engineering</i> , 2022 , 47, 103831	5.2	1
8	Characterization of bio-adsorptive removal performance of strontium through ureolysis-mediated bio-mineralization. <i>Chemosphere</i> , 2021 , 288, 132586	8.4	1
7	Internal carbonation of belite-rich Portland cement: An in-depth observation at the interaction of the belite phase with sodium bicarbonate. <i>Journal of Building Engineering</i> , 2021 , 44, 102907	5.2	1
6	Local Al network and material characterization of belite-calcium sulfoaluminate (CSA) cements. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	1
5	Self-healing of Portland and slag cement binder systems incorporating circulating fluidized bed combustion bottom ash. <i>Construction and Building Materials</i> , 2022 , 314, 125571	6.7	0
4	MgO-induced phase variation in alkali-activated binders synthesized under hydrothermal conditions. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021 , 54, 1	3.4	0

- 3 A combined experimental and micromechanical approach to investigating PTC and NTC effects in CNT-polypropylene composites under a self-heating condition. *Composite Structures*, **2022**, 289, 115440 5.3 ○
- 2 Modifications in hydration kinetics and characteristics of calcium aluminate cement upon blending with calcium sulfoaluminate cement. *Construction and Building Materials*, **2022**, 342, 127958 6.7 ○
- 1 Effect of the molar ratio of calcium sulfate over ye'limite on the reaction of CSA cement/slag blends under an accelerated carbonation condition. *Journal of Building Engineering*, **2021**, 103785 5.2