

En-Hua Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

142
papers

4,702
citations

38
h-index

63
g-index

146
ext. papers

6,165
ext. citations

7.3
avg, IF

6.6
L-index

#	Paper	IF	Citations
142	Autogenous healing of engineered cementitious composites under wet/dry cycles. <i>Cement and Concrete Research</i> , 2009 , 39, 382-390	10.3	385
141	Fiber-Bridging Constitutive Law of Engineered Cementitious Composites. <i>Journal of Advanced Concrete Technology</i> , 2008 , 6, 181-193	2.3	250
140	Energy performance of building envelopes integrated with phase change materials for cooling load reduction in tropical Singapore. <i>Applied Energy</i> , 2016 , 162, 207-217	10.7	195
139	Autogenous healing of engineered cementitious composites at early age. <i>Cement and Concrete Research</i> , 2011 , 41, 176-183	10.3	144
138	Review of leaching behavior of municipal solid waste incineration (MSWI) ash. <i>Science of the Total Environment</i> , 2019 , 668, 90-103	10.2	139
137	Surface treatment of recycled concrete aggregates through microbial carbonate precipitation. <i>Construction and Building Materials</i> , 2014 , 57, 144-150	6.7	139
136	A critical review of geopolymer properties for structural fire-resistance applications. <i>Construction and Building Materials</i> , 2019 , 221, 514-526	6.7	109
135	Strain hardening ultra-high performance concrete (SHUHPC) incorporating CNF-coated polyethylene fibers. <i>Cement and Concrete Research</i> , 2017 , 98, 50-60	10.3	94
134	Strain-hardening fiber cement optimization and component tailoring by means of a micromechanical model. <i>Construction and Building Materials</i> , 2010 , 24, 130-139	6.7	94
133	Tailoring engineered cementitious composites for impact resistance. <i>Cement and Concrete Research</i> , 2012 , 42, 1066-1071	10.3	92
132	Micromechanics-based investigation of a sustainable ambient temperature cured one-part strain hardening geopolymer composite. <i>Construction and Building Materials</i> , 2017 , 131, 552-563	6.7	85
131	High ductile behavior of a polyethylene fiber-reinforced one-part geopolymer composite: A micromechanics-based investigation. <i>Archives of Civil and Mechanical Engineering</i> , 2017 , 17, 555-563	3.4	83
130	Biological Leaching and Chemical Precipitation Methods for Recovery of Co and Li from Spent Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 12343-12352	8.3	82
129	Feasibility study on utilization of municipal solid waste incineration bottom ash as aerating agent for the production of autoclaved aerated concrete. <i>Cement and Concrete Composites</i> , 2015 , 56, 51-58	8.6	72
128	Synergistic effects of hybrid polypropylene and steel fibers on explosive spalling prevention of ultra-high performance concrete at elevated temperature. <i>Cement and Concrete Composites</i> , 2019 , 96, 174-181	8.6	69
127	Cool colored coating and phase change materials as complementary cooling strategies for building cooling load reduction in tropics. <i>Applied Energy</i> , 2017 , 190, 57-63	10.7	68
126	Coupled effects of crack width, slag content, and conditioning alkalinity on autogenous healing of engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2016 , 73, 203-212	8.6	68

125	Mix design factors and strength prediction of metakaolin-based geopolymer. <i>Ceramics International</i> , 2017 , 43, 11433-11441	5.1	67
124	Incinerator bottom ash (IBA) aerated geopolymer. <i>Construction and Building Materials</i> , 2016 , 112, 1025-1031	6.7	62
123	Progressive collapse resistance of precast beam-column sub-assemblages with engineered cementitious composites. <i>Engineering Structures</i> , 2015 , 98, 186-200	4.7	60
122	Effects of Si/Al molar ratio on strength endurance and volume stability of metakaolin geopolymers subject to elevated temperature. <i>Ceramics International</i> , 2018 , 44, 5726-5734	5.1	60
121	The use of microbial induced carbonate precipitation in healing cracks within reactive magnesia cement-based blends. <i>Cement and Concrete Research</i> , 2019 , 115, 176-188	10.3	57
120	Comparing mixing and displacement ventilation in tutorial rooms: Students thermal comfort, sick building syndromes, and short-term performance. <i>Building and Environment</i> , 2016 , 102, 128-137	6.5	56
119	Hydrothermal synthesis of needle-like nanocrystalline zeolites from metakaolin and their applications for efficient removal of organic pollutants and heavy metals. <i>Microporous and Mesoporous Materials</i> , 2018 , 272, 8-15	5.3	55
118	Effect of alkali cation type on strength endurance of fly ash geopolymers subject to high temperature exposure. <i>Materials and Design</i> , 2018 , 154, 8-19	8.1	55
117	Self-cleaning engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2015 , 64, 74-83	8.6	54
116	Self Healing in Concrete Materials. <i>Springer Series in Materials Science</i> , 2007 , 161-193	0.9	53
115	Microencapsulated phase change materials with composite titania-polyurea (TiO ₂ -PUA) shell. <i>Applied Energy</i> , 2018 , 215, 468-478	10.7	52
114	Influence of aggregate size and inclusion of polypropylene and steel fibers on the hot permeability of ultra-high performance concrete (UHPC) at elevated temperature. <i>Construction and Building Materials</i> , 2018 , 169, 629-637	6.7	50
113	Strain-rate effects on the tensile behavior of strain-hardening cementitious composites. <i>Construction and Building Materials</i> , 2014 , 52, 96-104	6.7	50
112	Experimental and analytical investigation on bond-slip behaviour of deformed bars embedded in engineered cementitious composites. <i>Construction and Building Materials</i> , 2016 , 127, 494-503	6.7	50
111	Characterization of calcium-containing phases in alkali-activated municipal solid waste incineration bottom ash binder through chemical extraction and deconvoluted Fourier transform infrared spectra. <i>Journal of Cleaner Production</i> , 2018 , 192, 782-789	10.3	49
110	Macroscopic and microstructural properties of engineered cementitious composites incorporating recycled concrete fines. <i>Cement and Concrete Composites</i> , 2017 , 78, 33-42	8.6	47
109	Micromechanics-based investigation of fatigue deterioration of engineered cementitious composite (ECC). <i>Cement and Concrete Research</i> , 2017 , 95, 65-74	10.3	45
108	Recovery of reactive MgO from reject brine via the addition of NaOH. <i>Desalination</i> , 2018 , 429, 88-95	10.3	43

107	Ultra high performance cement-based composites incorporating low dosage of plasma synthesized carbon nanotubes. <i>Materials and Design</i> , 2016 , 108, 479-487	8.1	42
106	Fiber-reinforced reactive magnesia-based tensile strain-hardening composites. <i>Cement and Concrete Composites</i> , 2018 , 89, 52-61	8.6	41
105	Effects of geometry and fraction of polypropylene fibers on permeability of ultra-high performance concrete after heat exposure. <i>Cement and Concrete Research</i> , 2019 , 116, 168-178	10.3	39
104	Hydrothermally synthesized porous materials from municipal solid waste incineration bottom ash and their interfacial interactions with chloroaromatic compounds. <i>Journal of Cleaner Production</i> , 2017 , 162, 411-419	10.3	38
103	Alkali-activated ground granulated blast-furnace slag incorporating incinerator fly ash as a potential binder. <i>Construction and Building Materials</i> , 2016 , 112, 1005-1012	6.7	37
102	Microscale investigation of fiber-matrix interface properties of strain-hardening geopolymer composite. <i>Ceramics International</i> , 2017 , 43, 15616-15625	5.1	37
101	Fatigue-induced deterioration of the interface between micro-polyvinyl alcohol (PVA) fiber and cement matrix. <i>Cement and Concrete Research</i> , 2016 , 90, 127-136	10.3	37
100	Synthesis of reactive MgO from reject brine via the addition of NH ₄ OH. <i>Hydrometallurgy</i> , 2017 , 169, 165-172	10.3	36
99	Autoclaved aerated concrete incorporating waste aluminum dust as foaming agent. <i>Construction and Building Materials</i> , 2017 , 148, 140-147	6.7	36
98	Human-building interaction under various indoor temperatures through neural-signal electroencephalogram (EEG) methods. <i>Building and Environment</i> , 2018 , 129, 46-53	6.5	35
97	Viability of bacterial spores and crack healing in bacteria-containing geopolymer. <i>Construction and Building Materials</i> , 2018 , 169, 716-723	6.7	34
96	Micromechanics constitutive modelling and optimization of strain hardening geopolymer composite. <i>Ceramics International</i> , 2017 , 43, 5999-6007	5.1	33
95	Alkali-treated incineration bottom ash as supplementary cementitious materials. <i>Construction and Building Materials</i> , 2018 , 179, 371-378	6.7	31
94	Quantitative characterization of anisotropic properties of the interfacial transition zone (ITZ) between microfiber and cement paste. <i>Cement and Concrete Research</i> , 2019 , 122, 136-146	10.3	30
93	Life cycle assessment of adoption of local recycled aggregates and green concrete in Singapore perspective. <i>Journal of Cleaner Production</i> , 2017 , 164, 918-926	10.3	30
92	Synthesis of high strength binders from alkali activation of glass materials from municipal solid waste incineration bottom ash. <i>Journal of Cleaner Production</i> , 2019 , 212, 261-269	10.3	30
91	Design of glass fiber reinforced plastics modified with CNT and pre-stretching fabric for potential sports instruments. <i>Materials and Design</i> , 2016 , 92, 621-631	8.1	29
90	Investigation of the properties of MgO recovered from reject brine obtained from desalination plants. <i>Journal of Cleaner Production</i> , 2018 , 196, 100-108	10.3	29

89	Encapsulation of shear thickening fluid as an easy-to-apply impact-resistant material. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22472-22479	13	29
88	Dynamic thermal performance of inclined double-skin roof: Modeling and experimental investigation. <i>Energy</i> , 2017 , 133, 900-912	7.9	29
87	The effect of strain rate and filler volume fraction on the mechanical properties of hollow glass microsphere modified polymer. <i>Composites Part B: Engineering</i> , 2016 , 101, 53-63	10	29
86	Strategic utilization of municipal solid waste incineration bottom ash for the synthesis of lightweight aerated alkali-activated materials. <i>Journal of Cleaner Production</i> , 2019 , 235, 603-612	10.3	28
85	Autogenous healing of fiber-reinforced reactive magnesia-based tensile strain-hardening composites. <i>Cement and Concrete Research</i> , 2019 , 115, 401-413	10.3	28
84	Novel CFD-based numerical schemes for conduction dominant encapsulated phase change materials (EPCM) with temperature hysteresis for thermal energy storage applications. <i>Energy</i> , 2017 , 132, 31-40	7.9	27
83	Performance and Microstructure of Calcined Dolomite and Reactive Magnesia-Based Concrete Samples. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04017236	3	26
82	Fatigue-induced in-situ strength deterioration of micro-polyvinyl alcohol (PVA) fiber in cement matrix. <i>Cement and Concrete Composites</i> , 2017 , 82, 128-136	8.6	24
81	Alternative materials for wearing course of concrete pavements: A critical review. <i>Construction and Building Materials</i> , 2020 , 236, 117609	6.7	24
80	Flexural behavior of ultra-high performance hybrid fiber reinforced concrete at the ambient and elevated temperature. <i>Construction and Building Materials</i> , 2020 , 250, 118487	6.7	23
79	Lightweight aerated metakaolin-based geopolymer incorporating municipal solid waste incineration bottom ash as gas-forming agent. <i>Journal of Cleaner Production</i> , 2018 , 177, 775-781	10.3	23
78	Humic acid-induced formation of tobermorite upon hydrothermal treatment with municipal solid waste incineration bottom ash and its application for efficient removal of Cu(II) ions. <i>Waste Management</i> , 2019 , 84, 83-90	8.6	23
77	Numerical study on steady-state cracking of composites. <i>Composites Science and Technology</i> , 2007 , 67, 151-156	8.6	22
76	Early age hydration of blended cement with different size fractions of municipal solid waste incineration bottom ash. <i>Construction and Building Materials</i> , 2017 , 156, 880-890	6.7	20
75	Ultra-effective integrated technologies for water disinfection with a novel 0D-2D-3D nanostructured rGO-AgNP/Bi ₂ Fe ₄ O ₉ composite. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 548-556	21.8	20
74	Gas Generation from Incinerator Bottom Ash: Potential Aerating Agent for Lightweight Concrete Production. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04016030	3	19
73	A micromechanics-based fatigue dependent fiber-bridging constitutive model. <i>Cement and Concrete Research</i> , 2016 , 90, 117-126	10.3	19
72	Impact of indoor environmental quality on students' wellbeing and performance in educational building through life cycle costing perspective. <i>Journal of Cleaner Production</i> , 2018 , 204, 298-309	10.3	19

71	Quantitative characterization of aluminosilicate gels in alkali-activated incineration bottom ash through sequential chemical extractions and deconvoluted nuclear magnetic resonance spectra. <i>Cement and Concrete Composites</i> , 2019 , 99, 175-180	8.6	18
70	Study of MgO-activated slag as a cementless material for sustainable spray-based 3D printing. <i>Journal of Cleaner Production</i> , 2020 , 258, 120671	10.3	17
69	Investigating the potential reactivity of fly ash for geopolymerization. <i>Construction and Building Materials</i> , 2019 , 225, 283-291	6.7	17
68	Effects of heating followed by water quenching on strength and microstructure of ultra-high performance concrete. <i>Construction and Building Materials</i> , 2019 , 207, 403-411	6.7	16
67	Stochastic model of tensile behavior of strain-hardening cementitious composites (SHCCs). <i>Cement and Concrete Research</i> , 2019 , 124, 105856	10.3	15
66	Supervised machine learning of thermal comfort under different indoor temperatures using EEG measurements. <i>Energy and Buildings</i> , 2020 , 225, 110305	7	15
65	Self-cleaning performance of nano-TiO ₂ modified metakaolin-based geopolymers. <i>Cement and Concrete Composites</i> , 2021 , 115, 103847	8.6	14
64	Seismic behaviour of interior reinforced-concrete beam-column sub-assemblages with engineered cementitious composites. <i>Magazine of Concrete Research</i> , 2018 , 70, 1280-1296	2	14
63	Skid resistance and surface water drainage performance of engineered cementitious composites for pavement applications. <i>Cement and Concrete Composites</i> , 2019 , 104, 103387	8.6	13
62	Dynamic plastic deformation and failure mechanisms of individual microcapsule and its polymeric composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 139, 103933	5	13
61	Performance of MgO and MgO/BiO ₂ systems containing seeds under different curing conditions. <i>Cement and Concrete Composites</i> , 2020 , 108, 103543	8.6	13
60	Controllable mullite bismuth ferrite micro/nanostructures with multifarious catalytic activities for switchable/hybrid catalytic degradation processes. <i>Journal of Colloid and Interface Science</i> , 2018 , 509, 502-514	9.3	13
59	Numerical techniques to model conduction dominant phase change systems: A CFD approach and validation with DSC curve. <i>Energy and Buildings</i> , 2016 , 118, 240-248	7	13
58	Study of steel corrosion in strain-hardening cementitious composites (SHCC) via electrochemical techniques. <i>Electrochimica Acta</i> , 2018 , 261, 402-411	6.7	12
57	Performance of reactive magnesia cement formulations containing fly ash and ground granulated blast-furnace slag. <i>Construction and Building Materials</i> , 2020 , 232, 117275	6.7	12
56	Optimization of shear thickening fluid encapsulation technique and dynamic response of encapsulated capsules and polymeric composite. <i>Composites Science and Technology</i> , 2019 , 170, 165-173	8.6	12
55	Latex-modified Engineered Cementitious Composites (L-ECC). <i>Journal of Advanced Concrete Technology</i> , 2014 , 12, 510-519	2.3	11
54	Use of alkali-silica reactive sedimentary rock powder as a resource to produce high strength geopolymer binder. <i>Construction and Building Materials</i> , 2017 , 155, 381-388	6.7	10

53	Tailoring sodium-based fly ash geopolymers with variegated thermal performance. <i>Cement and Concrete Composites</i> , 2020 , 107, 103507	8.6	10
52	Microstructure and carbon storage capacity of hydrated magnesium carbonates synthesized from different sources and conditions. <i>Journal of CO2 Utilization</i> , 2019 , 34, 353-361	7.6	10
51	Hydrothermal process reduced <i>Pseudomonas aeruginosa</i> PAO1-driven bioleaching of heavy metals in a novel aerated concrete synthesized using municipal solid waste incineration bottom ash. <i>Chemical Engineering Journal</i> , 2019 , 360, 1082-1091	14.7	10
50	Effect of calcium hydroxide on the alkali-silica reaction of alkali-activated slag mortars activated by sodium hydroxide. <i>Construction and Building Materials</i> , 2021 , 272, 121868	6.7	10
49	Neural-signal electroencephalogram (EEG) methods to improve human-building interaction under different indoor air quality. <i>Energy and Buildings</i> , 2019 , 197, 188-195	7	9
48	Microstructural investigation of steel corrosion in strain hardening cementitious composite (SHCC). <i>Construction and Building Materials</i> , 2019 , 211, 185-198	6.7	9
47	Leaching of Metals from Incineration Bottom Ash Using Organic Acid. <i>Journal of Sustainable Metallurgy</i> , 2018 , 4, 115-125	2.7	9
46	Environmental Sustainability through Recycling Incineration Bottom Ash for the Production of Autoclaved Aerated Concrete. <i>Key Engineering Materials</i> , 2015 , 650, 51-70	0.4	9
45	Use of magnesium-silicate-hydrate (M-S-H) cement mixes in 3D printing applications. <i>Cement and Concrete Composites</i> , 2021 , 117, 103901	8.6	9
44	Mechanical response of shear thickening fluid filled composite subjected to different strain rates. <i>International Journal of Mechanical Sciences</i> , 2021 , 196, 106304	5.5	9
43	Resistance of graphene oxide-modified cement pastes to hydrochloric acid attack. <i>Construction and Building Materials</i> , 2021 , 273, 121990	6.7	9
42	Effect of self-healing on fatigue of engineered cementitious composites (ECCs). <i>Cement and Concrete Composites</i> , 2018 , 94, 145-152	8.6	9
41	Probabilistic-based assessment for tensile strain-hardening potential of fiber-reinforced cementitious composites. <i>Cement and Concrete Composites</i> , 2018 , 91, 108-117	8.6	9
40	Strain hardening cementitious composites incorporating high volumes of municipal solid waste incineration fly ash. <i>Construction and Building Materials</i> , 2017 , 146, 183-191	6.7	8
39	Development of pigmentable engineered cementitious composites for architectural elements through integrated structures and materials design. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012 , 45, 425-432	3.4	8
38	Degradation of carbonated reactive MgO-based concrete exposed to nitric acid. <i>Journal of CO2 Utilization</i> , 2020 , 36, 210-219	7.6	8
37	Production of reactive magnesia from desalination reject brine and its use as a binder. <i>Journal of CO2 Utilization</i> , 2021 , 44, 101383	7.6	8
36	Rate dependent behaviors of nickel-based microcapsules. <i>Applied Physics Letters</i> , 2018 , 112, 221905	3.4	7

35	Autogenous healing and its enhancement of interface between micro polymeric fiber and hydraulic cement matrix. <i>Cement and Concrete Research</i> , 2019 , 124, 105830	10.3	7
34	Pore pressure build-up and explosive spalling in concrete at elevated temperature: A review. <i>Construction and Building Materials</i> , 2021 , 284, 122818	6.7	7
33	Investigation of matrix cracking properties of engineered cementitious composites (ECCs) incorporating river sands. <i>Cement and Concrete Composites</i> , 2021 , 123, 104204	8.6	7
32	Improvement of the performance and microstructural development of alkali-activated slag blends. <i>Construction and Building Materials</i> , 2020 , 261, 120017	6.7	6
31	Investigation on <i>Pseudomonas aeruginosa</i> PAO1-driven bioleaching behavior of heavy metals in a novel geopolymer synthesized from municipal solid waste incineration bottom ash. <i>Construction and Building Materials</i> , 2020 , 241, 118005	6.7	6
30	Strain hardening magnesium-silicate-hydrate composites (SHMSHC) reinforced with short and randomly oriented polyvinyl alcohol microfibers. <i>Cement and Concrete Research</i> , 2021 , 142, 106354	10.3	6
29	Micromechanics-Based Optimization of Pigmentable Strain-Hardening Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 04014017	3	5
28	Mechanism study of crack propagation in river sand Engineered Cementitious Composites (ECC). <i>Cement and Concrete Composites</i> , 2022 , 128, 104434	8.6	5
27	Bright and slip-proof engineered cementitious composites with visible light activated photo-catalysis property for pavement in tunnels. <i>Cement and Concrete Composites</i> , 2020 , 114, 103788	8.6	5
26	Mobile app-aided risks, attitudes, norms, abilities and self-regulation (RANAS) approach for recycling behavioral change in Singapore. <i>Resources, Conservation and Recycling</i> , 2020 , 162, 105049	11.9	5
25	Bacteria-induced internal carbonation of reactive magnesia cement. <i>Construction and Building Materials</i> , 2021 , 267, 121748	6.7	5
24	Influence of Mix Design Parameters on Geopolymer Mechanical Properties and Microstructure. <i>Ceramic Engineering and Science Proceedings</i> , 2017 , 21-33	0.1	4
23	Strategic strengthening of the interfacial transition zone (ITZ) between microfiber and cement paste matrix with carbon nanofibers (CNFs). <i>Cement and Concrete Composites</i> , 2021 , 119, 104019	8.6	4
22	Investigation of chloride penetration in carbonated reactive magnesia cement mixes exposed to cyclic wetting/drying. <i>Construction and Building Materials</i> , 2021 , 284, 122837	6.7	4
21	Effect of graphene oxide on the deterioration of cement pastes exposed to citric and sulfuric acids. <i>Cement and Concrete Composites</i> , 2021 , 124, 104252	8.6	4
20	Early Age Cracking in a SHCC Bridge Deck Link Slab 2015 ,		3
19	Alkali-Silica Reaction Resistance and Pore Solution Composition of Low-Calcium Fly Ash-Based Geopolymer Concrete. <i>Infrastructures</i> , 2020 , 5, 96	2.6	3
18	Experimental investigation of Seebeck effect in metakaolin-based geopolymer. <i>Construction and Building Materials</i> , 2021 , 272, 121615	6.7	3

17	Effects of Microbial Carbonate Precipitation on Transport Properties of Fiber Cement Composites. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04015204	3	2
16	Micromechanics-Based Design of Strain Hardening Cementitious Composites (SHCC). <i>RILEM Bookseries</i> , 2018 , 12-27	0.5	2
15	A generic model to determine crack spacing of short and randomly oriented polymeric fiber-reinforced strain-hardening cementitious composites (SHCC). <i>Cement and Concrete Composites</i> , 2021 , 118, 103919	8.6	2
14	Ecofriendly Microencapsulated Phase-Change Materials with Hybrid Core Materials for Thermal Energy Storage and Flame Retardancy. <i>Langmuir</i> , 2021 , 37, 6380-6387	4	2
13	Municipal Solid Waste Incineration Bottom Ash (IBA) As an Aerating Agent for the Production of Aerated Lightweight Concrete 2014 ,		1
12	Multi criteria analysis for the functional performance of surface pavement 2019 , 1641-1646		1
11	Development of Ultra-Lightweight and High Strength Engineered Cementitious Composites. <i>Journal of Composites Science</i> , 2021 , 5, 113	3	1
10	Influence of crack width on the stiffness recovery and self-healing of reactive magnesia-based binders under CO ₂ -H ₂ O conditioning. <i>Construction and Building Materials</i> , 2021 , 269, 121360	6.7	1
9	Non-normal distribution of residual flexural strengths of steel fiber reinforced concretes and its impacts on design and conformity assessment. <i>Cement and Concrete Composites</i> , 2021 , 123, 104207	8.6	1
8	Low CO ₂ reactive magnesia cements and their applications via nano-modification 2022 , 407-458		1
7	Economic input-output LCA of precast corundum-blended ECC overlay pavement. <i>Resources, Conservation and Recycling</i> , 2022 , 184, 106385	11.9	1
6	Influence of different additives on the rheology and microstructural development of MgO/SiO ₂ mixes. <i>Composites Part B: Engineering</i> , 2022 , 235, 109784	10	0
5	Thermal Performance of Metakaolin-Based Geopolymers: Volume Stability and Residual Mechanical Properties. <i>Ceramic Engineering and Science Proceedings</i> , 2017 , 35-46	0.1	
4	Study of finite element model on skid resistance for pavement made of engineered cementitious composite 2019 , 1595-1600		
3	Healing of Interface Between Polyvinyl Alcohol (PVA) Fiber and Cement Matrix. <i>RILEM Bookseries</i> , 2018 , 63-69	0.5	
2	Development of High Strength and High Ductility Cementitious Composites Incorporating CNF-Coated Polyethylene Fibers. <i>RILEM Bookseries</i> , 2018 , 172-180	0.5	
1	Mobile app-aided design thinking approach to promote upcycling in Singapore. <i>Journal of Cleaner Production</i> , 2021 , 317, 128502	10.3	