

Chi-Sun Poon

List of Publications by Year in descending order

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456
papers

40,057
citations

1459

107
h-index

4338

173
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460
all docs

460
docs citations

460
times ranked

16610
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal contamination of urban soils and street dusts in Hong Kong. <i>Applied Geochemistry</i> , 2001, 16, 1361-1368.	1.4	872
2	Effect of microstructure of ITZ on compressive strength of concrete prepared with recycled aggregates. <i>Construction and Building Materials</i> , 2004, 18, 461-468.	3.2	749
3	Influence of moisture states of natural and recycled aggregates on the slump and compressive strength of concrete. <i>Cement and Concrete Research</i> , 2004, 34, 31-36.	4.6	637
4	Photocatalytic construction and building materials: From fundamentals to applications. <i>Building and Environment</i> , 2009, 44, 1899-1906.	3.0	603
5	Degree of hydration and gel/space ratio of high-volume fly ash/cement systems. <i>Cement and Concrete Research</i> , 2000, 30, 747-756.	4.6	539
6	Compressive strength, chloride diffusivity and pore structure of high performance metakaolin and silica fume concrete. <i>Construction and Building Materials</i> , 2006, 20, 858-865.	3.2	503
7	Comparisons of natural and recycled aggregate concretes prepared with the addition of different mineral admixtures. <i>Cement and Concrete Composites</i> , 2011, 33, 788-795.	4.6	469
8	Feasible use of recycled concrete aggregates and crushed clay brick as unbound road sub-base. <i>Construction and Building Materials</i> , 2006, 20, 578-585.	3.2	455
9	Enhancing the durability properties of concrete prepared with coarse recycled aggregate. <i>Construction and Building Materials</i> , 2012, 35, 69-76.	3.2	433
10	Quantifying the waste reduction potential of using prefabrication in building construction in Hong Kong. <i>Waste Management</i> , 2009, 29, 309-320.	3.7	424
11	Properties of recycled aggregate concrete made with recycled aggregates with different amounts of old adhered mortars. <i>Materials & Design</i> , 2014, 58, 19-29.	5.1	381
12	Properties of self-compacting concrete prepared with coarse and fine recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2009, 31, 622-627.	4.6	380
13	Hydration and properties of nano-TiO ₂ blended cement composites. <i>Cement and Concrete Composites</i> , 2012, 34, 642-649.	4.6	376
14	Comparison of the strength and durability performance of normal- and high-strength pozzolanic concretes at elevated temperatures. <i>Cement and Concrete Research</i> , 2001, 31, 1291-1300.	4.6	370
15	Influence of Fly Ash as Cement Replacement on the Properties of Recycled Aggregate Concrete. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 709-717.	1.3	365
16	Long-term mechanical and durability properties of recycled aggregate concrete prepared with the incorporation of fly ash. <i>Cement and Concrete Composites</i> , 2013, 37, 12-19.	4.6	365
17	Properties of concrete prepared with PVA-impregnated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2010, 32, 649-654.	4.6	358
18	Assessment of mechanical properties of concrete incorporating carbonated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2016, 65, 67-74.	4.6	341

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19	Rate of pozzolanic reaction of metakaolin in high-performance cement pastes. Cement and Concrete Research, 2001, 31, 1301-1306.	4.6	332
20	Compressive behavior of fiber reinforced high-performance concrete subjected to elevated temperatures. Cement and Concrete Research, 2004, 34, 2215-2222.	4.6	331
21	Prediction of compressive strength of recycled aggregate concrete using artificial neural networks. Construction and Building Materials, 2013, 40, 1200-1206.	3.2	325
22	Comparative environmental evaluation of aggregate production from recycled waste materials and virgin sources by LCA. Resources, Conservation and Recycling, 2016, 109, 67-77.	5.3	320
23	On-site sorting of construction and demolition waste in Hong Kong. Resources, Conservation and Recycling, 2001, 32, 157-172.	5.3	319
24	Use of recycled aggregates in molded concrete bricks and blocks. Construction and Building Materials, 2002, 16, 281-289.	3.2	319
25	Heavy metal speciation and leaching behaviors in cement based solidified/stabilized waste materials. Journal of Hazardous Materials, 2001, 82, 215-230.	6.5	318
26	A study on high strength concrete prepared with large volumes of low calcium fly ash. Cement and Concrete Research, 2000, 30, 447-455.	4.6	317
27	Sustainable construction aspects of using prefabrication in dense urban environment: a Hong Kong case study. Construction Management and Economics, 2008, 26, 953-966.	1.8	299
28	Use of phase change materials for thermal energy storage in concrete: An overview. Construction and Building Materials, 2013, 46, 55-62.	3.2	299
29	Use of a CO ₂ curing step to improve the properties of concrete prepared with recycled aggregates. Cement and Concrete Composites, 2014, 45, 22-28.	4.6	287
30	Influence of silane-based water repellent on the durability properties of recycled aggregate concrete. Cement and Concrete Composites, 2013, 35, 32-38.	4.6	273
31	Properties of lightweight aggregate concrete prepared with PVC granules derived from scraped PVC pipes. Waste Management, 2009, 29, 621-628.	3.7	272
32	Influence of recycled aggregates on long term mechanical properties and pore size distribution of concrete. Cement and Concrete Composites, 2011, 33, 286-291.	4.6	262
33	Durability of recycled aggregate concrete prepared with carbonated recycled concrete aggregates. Cement and Concrete Composites, 2017, 84, 214-221.	4.6	251
34	Green remediation of As and Pb contaminated soil using cement-free clay-based stabilization/solidification. Environment International, 2019, 126, 336-345.	4.8	249
35	Experimental study on CO ₂ curing for enhancement of recycled aggregate properties. Construction and Building Materials, 2014, 67, 3-7.	3.2	248
36	Performance Enhancement of Recycled Concrete Aggregates through Carbonation. Journal of Materials in Civil Engineering, 2015, 27, .	1.3	237

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37	Properties of self-compacting concrete prepared with recycled glass aggregate. <i>Cement and Concrete Composites</i> , 2009, 31, 107-113.	4.6	236
38	Paving blocks made with recycled concrete aggregate and crushed clay brick. <i>Construction and Building Materials</i> , 2006, 20, 569-577.	3.2	228
39	Sustainable food waste management towards circular bioeconomy: Policy review, limitations and opportunities. <i>Bioresource Technology</i> , 2020, 297, 122497.	4.8	225
40	Effect of the quality of parent concrete on the properties of high performance recycled aggregate concrete. <i>Construction and Building Materials</i> , 2015, 77, 501-508.	3.2	224
41	Compressive behaviour of recycled aggregate concrete under impact loading. <i>Cement and Concrete Research</i> , 2015, 71, 46-55.	4.6	223
42	Properties of concrete prepared with crushed fine stone, furnace bottom ash and fine recycled aggregate as fine aggregates. <i>Construction and Building Materials</i> , 2009, 23, 2877-2886.	3.2	219
43	The use of recycled aggregate in concrete in Hong Kong. <i>Resources, Conservation and Recycling</i> , 2007, 50, 293-305.	5.3	217
44	Influence of carbonated recycled concrete aggregate on properties of cement mortar. <i>Construction and Building Materials</i> , 2015, 98, 1-7.	3.2	217
45	Reducing building waste at construction sites in Hong Kong. <i>Construction Management and Economics</i> , 2004, 22, 461-470.	1.8	215
46	Life cycle design and prefabrication in buildings: A review and case studies in Hong Kong. <i>Automation in Construction</i> , 2014, 39, 195-202.	4.8	212
47	NO removal efficiency of photocatalytic paving blocks prepared with recycled materials. <i>Construction and Building Materials</i> , 2007, 21, 1746-1753.	3.2	205
48	Strength and durability recovery of fire-damaged concrete after post-fire-curing. <i>Cement and Concrete Research</i> , 2001, 31, 1307-1318.	4.6	202
49	Performance of metakaolin concrete at elevated temperatures. <i>Cement and Concrete Composites</i> , 2003, 25, 83-89.	4.6	194
50	Influence of fly ash as a cement addition on the hardened properties of recycled aggregate concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008, 41, 1191-1201.	1.3	186
51	Influence of recycled aggregate on slump and bleeding of fresh concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2007, 40, 981-988.	1.3	185
52	Impact of high temperature on PFA concrete. <i>Cement and Concrete Research</i> , 2001, 31, 1065-1073.	4.6	184
53	Properties of concrete prepared with low-grade recycled aggregates. <i>Construction and Building Materials</i> , 2012, 36, 881-889.	3.2	180
54	Biochar as green additives in cement-based composites with carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2020, 258, 120678.	4.6	180

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55	Recent studies on mechanical properties of recycled aggregate concrete in China—A review. <i>Science China Technological Sciences</i> , 2012, 55, 1463-1480.	2.0	177
56	Sustainable stabilization/solidification of municipal solid waste incinerator fly ash by incorporation of green materials. <i>Journal of Cleaner Production</i> , 2019, 222, 335-343.	4.6	177
57	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. <i>Chemical Engineering Journal</i> , 2018, 351, 418-427.	6.6	174
58	Effects of nano-particles on failure process and microstructural properties of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2017, 142, 42-50.	3.2	167
59	Comparing carbon emissions of precast and cast-in-situ construction methods – A case study of high-rise private building. <i>Construction and Building Materials</i> , 2015, 99, 39-53.	3.2	163
60	Using artificial neural networks for predicting the elastic modulus of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2013, 44, 524-532.	3.2	161
61	Comparative LCA on using waste materials in the cement industry: A Hong Kong case study. <i>Resources, Conservation and Recycling</i> , 2017, 120, 199-208.	5.3	160
62	CO ₂ curing for improving the properties of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , 2013, 42, 1-8.	4.6	159
63	Influence of lead on stabilization/solidification by ordinary Portland cement and magnesium phosphate cement. <i>Chemosphere</i> , 2018, 190, 90-96.	4.2	158
64	Photocatalytic cement-based materials: Comparison of nitrogen oxides and toluene removal potentials and evaluation of self-cleaning performance. <i>Building and Environment</i> , 2011, 46, 1827-1833.	3.0	157
65	Aluminium-biochar composites as sustainable heterogeneous catalysts for glucose isomerisation in a biorefinery. <i>Green Chemistry</i> , 2019, 21, 1267-1281.	4.6	157
66	Activation of fly ash/cement systems using calcium sulfate anhydrite (CaSO ₄). <i>Cement and Concrete Research</i> , 2001, 31, 873-881.	4.6	156
67	Management of construction waste in public housing projects in Hong Kong. <i>Construction Management and Economics</i> , 2004, 22, 675-689.	1.8	155
68	Effects of crushed glass cullet sizes, casting methods and pozzolanic materials on ASR of concrete blocks. <i>Construction and Building Materials</i> , 2011, 25, 2611-2618.	3.2	152
69	Novel synergy of Si-rich minerals and reactive MgO for stabilisation/solidification of contaminated sediment. <i>Journal of Hazardous Materials</i> , 2019, 365, 695-706.	6.5	151
70	Utilization of recycled glass derived from cathode ray tube glass as fine aggregate in cement mortar. <i>Journal of Hazardous Materials</i> , 2011, 192, 451-456.	6.5	150
71	Design issues of using prefabrication in Hong Kong building construction. <i>Construction Management and Economics</i> , 2010, 28, 1025-1042.	1.8	146
72	The cause and influence of self-cementing properties of fine recycled concrete aggregates on the properties of unbound sub-base. <i>Waste Management</i> , 2006, 26, 1166-1172.	3.7	144

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73	The roles of biochar as green admixture for sediment-based construction products. <i>Cement and Concrete Composites</i> , 2019, 104, 103348.	4.6	144
74	Sustainable design of pervious concrete using waste glass and recycled concrete aggregate. <i>Journal of Cleaner Production</i> , 2019, 234, 1102-1112.	4.6	141
75	Management and recycling of waste glass in concrete products: Current situations in Hong Kong. <i>Resources, Conservation and Recycling</i> , 2013, 70, 25-31.	5.3	140
76	Utilization of red mud derived from bauxite in self-compacting concrete. <i>Journal of Cleaner Production</i> , 2016, 112, 384-391.	4.6	140
77	Properties of architectural mortar prepared with recycled glass with different particle sizes. <i>Materials & Design</i> , 2011, 32, 2675-2684.	5.1	138
78	A comparative study on the feasible use of recycled beverage and CRT funnel glass as fine aggregate in cement mortar. <i>Journal of Cleaner Production</i> , 2012, 29-30, 46-52.	4.6	136
79	Feasibility of using recycled glass in architectural cement mortars. <i>Cement and Concrete Composites</i> , 2011, 33, 848-854.	4.6	134
80	Use of waste glass in alkali activated cement mortar. <i>Construction and Building Materials</i> , 2018, 160, 399-407.	3.2	133
81	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. <i>Bioresource Technology</i> , 2018, 252, 76-82.	4.8	132
82	Use of recycled CRT funnel glass as fine aggregate in dry-mixed concrete paving blocks. <i>Journal of Cleaner Production</i> , 2014, 68, 209-215.	4.6	131
83	Effect of curing parameters on CO ₂ curing of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , 2016, 71, 122-130.	4.6	131
84	Experimental study of micro/macro crack development and stress-strain relations of cement-based composite materials at elevated temperatures. <i>Cement and Concrete Research</i> , 2004, 34, 789-797.	4.6	130
85	Photocatalytic activity of titanium dioxide modified concrete materials – Influence of utilizing recycled glass cullets as aggregates. <i>Journal of Environmental Management</i> , 2009, 90, 3436-3442.	3.8	127
86	Photocatalytic Cementitious Materials: Influence of the Microstructure of Cement Paste on Photocatalytic Pollution Degradation. <i>Environmental Science & Technology</i> , 2009, 43, 8948-8952.	4.6	127
87	Effect of further water curing on compressive strength and microstructure of CO ₂ -cured concrete. <i>Cement and Concrete Composites</i> , 2016, 72, 80-88.	4.6	125
88	Inhibiting efflorescence formation on fly ash-based geopolymer via silane surface modification. <i>Cement and Concrete Composites</i> , 2018, 94, 43-52.	4.6	122
89	Catalytic valorization of starch-rich food waste into hydroxymethylfurfural (HMF): Controlling relative kinetics for high productivity. <i>Bioresource Technology</i> , 2017, 237, 222-230.	4.8	121
90	Comparative studies on the effects of sewage sludge ash and fly ash on cement hydration and properties of cement mortars. <i>Construction and Building Materials</i> , 2017, 154, 791-803.	3.2	121

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91	Enhancing the performance of pre-cast concrete blocks by incorporating waste glass â€“ ASR consideration. <i>Cement and Concrete Composites</i> , 2007, 29, 616-625.	4.6	119
92	Effect of carbonated recycled coarse aggregate on the dynamic compressive behavior of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2017, 151, 52-62.	3.2	119
93	Statistical analysis of recycled aggregates derived from different sources for sub-base applications. <i>Construction and Building Materials</i> , 2012, 28, 129-138.	3.2	118
94	Heat of hydration of Portland high-calcium fly ash cement incorporating limestone powder: Effect of limestone particle size. <i>Construction and Building Materials</i> , 2014, 66, 410-417.	3.2	118
95	Effect of pulverized fuel ash and CO ₂ curing on the water resistance of magnesium oxychloride cement (MOC). <i>Cement and Concrete Research</i> , 2017, 97, 115-122.	4.6	118
96	Research and application of pervious concrete as a sustainable pavement material: A state-of-the-art and state-of-the-practice review. <i>Construction and Building Materials</i> , 2018, 183, 544-553.	3.2	118
97	Extended theory of planned behaviour for promoting construction waste recycling in Hong Kong. <i>Waste Management</i> , 2019, 83, 161-170.	3.7	118
98	Characterization of interfacial transition zone in concrete prepared with carbonated modeled recycled concrete aggregates. <i>Cement and Concrete Research</i> , 2020, 136, 106175.	4.6	118
99	Effects of contaminants on the properties of concrete paving blocks prepared with recycled concrete aggregates. <i>Construction and Building Materials</i> , 2007, 21, 164-175.	3.2	117
100	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , 2017, 182, 31-39.	4.2	117
101	Recycling contaminated wood into eco-friendly particleboard using green cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2016, 137, 861-870.	4.6	116
102	Enhancement of recycled aggregate properties by accelerated CO ₂ curing coupled with limewater soaking process. <i>Cement and Concrete Composites</i> , 2018, 89, 230-237.	4.6	116
103	Evaluation of environmental impact distribution methods for supplementary cementitious materials. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 597-608.	8.2	116
104	Phosphoric acid-activated wood biochar for catalytic conversion of starch-rich food waste into glucose and 5-hydroxymethylfurfural. <i>Bioresource Technology</i> , 2018, 267, 242-248.	4.8	114
105	Influence of PFA on cracking of concrete and cement paste after exposure to high temperatures. <i>Cement and Concrete Research</i> , 2003, 33, 2009-2016.	4.6	113
106	Carbonation treatment of recycled concrete aggregate: Effect on transport properties and steel corrosion of recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2019, 104, 103360.	4.6	113
107	Mechanical properties of 5-year-old concrete prepared with recycled aggregates obtained from three different sources. <i>Magazine of Concrete Research</i> , 2008, 60, 57-64.	0.9	111
108	Effects of limestone powder on CaCO ₃ precipitation in CO ₂ cured cement pastes. <i>Cement and Concrete Composites</i> , 2016, 72, 9-16.	4.6	111

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109	Mechanism for rapid hardening of cement pastes under coupled CO ₂ -water curing regime. <i>Cement and Concrete Composites</i> , 2019, 97, 78-88.	4.6	111
110	Use of Furnace Bottom Ash for producing lightweight aggregate concrete with thermal insulation properties. <i>Journal of Cleaner Production</i> , 2015, 99, 94-100.	4.6	109
111	Materials characteristics affecting CO ₂ curing of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , 2016, 67, 50-59.	4.6	109
112	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. <i>Journal of Cleaner Production</i> , 2018, 199, 69-76.	4.6	109
113	Accelerated carbonation of reactive MgO and Portland cement blends under flowing CO ₂ gas. <i>Cement and Concrete Composites</i> , 2020, 106, 103489.	4.6	108
114	Influence of recycled glass content and curing conditions on the properties of self-compacting concrete after exposure to elevated temperatures. <i>Cement and Concrete Composites</i> , 2012, 34, 265-272.	4.6	107
115	Development of a new generation of eco-friendly concrete blocks by accelerated mineral carbonation. <i>Journal of Cleaner Production</i> , 2016, 133, 1235-1241.	4.6	107
116	Value-added recycling of construction waste wood into noise and thermal insulating cement-bonded particleboards. <i>Construction and Building Materials</i> , 2016, 125, 316-325.	3.2	106
117	Designing out waste in high-rise residential buildings: Analysis of precasting methods and traditional construction. <i>Renewable Energy</i> , 2009, 34, 2067-2073.	4.3	105
118	Impact of Construction Waste Disposal Charging Scheme on work practices at construction sites in Hong Kong. <i>Waste Management</i> , 2013, 33, 138-146.	3.7	105
119	Residue strength, water absorption and pore size distributions of recycled aggregate concrete after exposure to elevated temperatures. <i>Cement and Concrete Composites</i> , 2014, 53, 73-82.	4.6	105
120	Properties of concrete blocks prepared with low grade recycled aggregates. <i>Waste Management</i> , 2009, 29, 2369-2377.	3.7	104
121	Compressive strength and microstructural properties of dry-mixed geopolymer pastes synthesized from GGBS and sewage sludge ash. <i>Construction and Building Materials</i> , 2018, 182, 597-607.	3.2	104
122	Utilizing recycled cathode ray tube funnel glass sand as river sand replacement in the high-density concrete. <i>Journal of Cleaner Production</i> , 2013, 51, 184-190.	4.6	102
123	Green remediation and recycling of contaminated sediment by waste-incorporated stabilization/solidification. <i>Chemosphere</i> , 2015, 122, 257-264.	4.2	102
124	Combined use of waste glass powder and cullet in architectural mortar. <i>Cement and Concrete Composites</i> , 2017, 82, 34-44.	4.6	102
125	Comparative environmental evaluation of construction waste management through different waste sorting systems in Hong Kong. <i>Waste Management</i> , 2017, 69, 325-335.	3.7	100
126	Valorization of cellulosic food waste into levulinic acid catalyzed by heterogeneous Brønsted acids: Temperature and solvent effects. <i>Chemical Engineering Journal</i> , 2017, 327, 328-335.	6.6	99

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127	Combined use of sewage sludge ash and recycled glass cullet for the production of concrete blocks. <i>Journal of Cleaner Production</i> , 2018, 171, 1447-1459.	4.6	99
128	Phosphorus recovery and leaching of trace elements from incinerated sewage sludge ash (ISSA). <i>Chemosphere</i> , 2018, 193, 278-287.	4.2	99
129	Influence of steam curing on the pore structures and mechanical properties of fly-ash high performance concrete prepared with recycled aggregates. <i>Cement and Concrete Composites</i> , 2016, 71, 77-84.	4.6	98
130	Valorization of food waste into hydroxymethylfurfural: Dual role of metal ions in successive conversion steps. <i>Bioresource Technology</i> , 2016, 219, 338-347.	4.8	98
131	Carbon dioxide sequestration of concrete slurry waste and its valorisation in construction products. <i>Construction and Building Materials</i> , 2016, 113, 664-672.	3.2	98
132	The effect of aggregate-to-cement ratio and types of aggregates on the properties of pre-cast concrete blocks. <i>Cement and Concrete Composites</i> , 2008, 30, 283-289.	4.6	97
133	Nano-TiO ₂ -based architectural mortar for NO removal and bacteria inactivation: Influence of coating and weathering conditions. <i>Cement and Concrete Composites</i> , 2013, 36, 101-108.	4.6	97
134	Green remediation of contaminated sediment by stabilization/solidification with industrial by-products and CO ₂ utilization. <i>Science of the Total Environment</i> , 2018, 631-632, 1321-1327.	3.9	97
135	Properties of fly ash-modified cement mortar-aggregate interfaces. <i>Cement and Concrete Research</i> , 1999, 29, 1905-1913.	4.6	96
136	Effects of recycled fine glass aggregates on the properties of dry-mixed concrete blocks. <i>Construction and Building Materials</i> , 2013, 38, 638-643.	3.2	96
137	Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , 2017, 599-600, 679-688.	3.9	96
138	Management and sustainable utilization of processing wastes from ready-mixed concrete plants in construction: A review. <i>Resources, Conservation and Recycling</i> , 2018, 136, 238-247.	5.3	94
139	Sulfonated biochar as acid catalyst for sugar hydrolysis and dehydration. <i>Catalysis Today</i> , 2018, 314, 52-61.	2.2	92
140	Recovery of phosphorus from incinerated sewage sludge ash by combined two-step extraction and selective precipitation. <i>Chemical Engineering Journal</i> , 2018, 348, 74-83.	6.6	92
141	Feasible use of recycled CRT funnel glass as heavyweight fine aggregate in barite concrete. <i>Journal of Cleaner Production</i> , 2012, 33, 42-49.	4.6	91
142	Self-cleaning ability of titanium dioxide clear paint coated architectural mortar and its potential in field application. <i>Journal of Cleaner Production</i> , 2016, 112, 3583-3588.	4.6	91
143	Utilizing high volumes quarry wastes in the production of lightweight foamed concrete. <i>Construction and Building Materials</i> , 2017, 151, 441-448.	3.2	91
144	The hindrance to using prefabrication in Hong Kong's building industry. <i>Journal of Cleaner Production</i> , 2018, 204, 70-81.	4.6	90

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145	Characterization of concrete properties from dielectric properties using ground penetrating radar. <i>Cement and Concrete Research</i> , 2009, 39, 687-695.	4.6	89
146	Innovative reuse of concrete slurry waste from ready-mixed concrete plants in construction products. <i>Journal of Hazardous Materials</i> , 2016, 312, 65-72.	6.5	89
147	Thermal induced stress and associated cracking in cement-based composite at elevated temperaturesâ€“Part I: Thermal cracking around single inclusion. <i>Cement and Concrete Composites</i> , 2004, 26, 99-111.	4.6	88
148	Photocatalytic NO _x degradation of concrete surface layers intermixed and spray-coated with nano-TiO ₂ : Influence of experimental factors. <i>Cement and Concrete Composites</i> , 2017, 83, 279-289.	4.6	88
149	Comparison of glass powder and pulverized fuel ash for improving the water resistance of magnesium oxychloride cement. <i>Cement and Concrete Composites</i> , 2018, 86, 98-109.	4.6	87
150	Comparative LCA of wood waste management strategies generated from building construction activities. <i>Journal of Cleaner Production</i> , 2018, 177, 387-397.	4.6	86
151	Selective Glucose Isomerization to Fructose via a Nitrogen-doped Solid Base Catalyst Derived from Spent Coffee Grounds. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16113-16120.	3.2	86
152	Slow pyrolysis of municipal solid waste (MSW): A review. <i>Bioresource Technology</i> , 2020, 312, 123615.	4.8	86
153	Effects of particle size of treated CRT funnel glass on properties of cement mortar. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013, 46, 25-34.	1.3	85
154	Propylene carbonate and Î³-valerolactone as green solvents enhance Sn(IV)-catalysed hydroxymethylfurfural (HMF) production from bread waste. <i>Green Chemistry</i> , 2018, 20, 2064-2074.	4.6	85
155	Global perspective on application of controlled low-strength material (CLSM) for trench backfilling â€“ An overview. <i>Construction and Building Materials</i> , 2018, 158, 535-548.	3.2	85
156	Use of Mg/Ca modified biochars to take up phosphorus from acid-extract of incinerated sewage sludge ash (ISSA) for fertilizer application. <i>Journal of Cleaner Production</i> , 2020, 244, 118853.	4.6	85
157	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018, 232, 375-384.	3.7	83
158	Improvement in corrosion resistance of recycled aggregate concrete by nano silica suspension modification on recycled aggregates. <i>Cement and Concrete Composites</i> , 2020, 106, 103476.	4.6	83
159	Utilization of recycled cathode ray tubes glass in cement mortar for X-ray radiation-shielding applications. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 321-327.	6.5	82
160	Mixture design and treatment methods for recycling contaminated sediment. <i>Journal of Hazardous Materials</i> , 2015, 283, 623-632.	6.5	82
161	Using incinerated sewage sludge ash to improve the water resistance of magnesium oxychloride cement (MOC). <i>Construction and Building Materials</i> , 2017, 147, 519-524.	3.2	82
162	Bacterial-induced mineralization (BIM) for soil solidification and heavy metal stabilization: A critical review. <i>Science of the Total Environment</i> , 2020, 746, 140967.	3.9	82

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178	Innovative solidification/stabilization of lead contaminated soil using incineration sewage sludge ash. <i>Chemosphere</i> , 2017, 173, 143-152.	4.2	73
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188	Effects of recycled glass on properties of architectural mortar before and after exposure to elevated temperatures. <i>Journal of Cleaner Production</i> , 2015, 101, 158-164.	4.6	68
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257	Influence of chloride ion on depassivation of passive film on galvanized steel bars in concrete pore solution. <i>Construction and Building Materials</i> , 2018, 166, 572-580.	3.2	44
258	Sustainable stabilization/solidification of arsenic-containing soil by blast slag and cement blends. <i>Chemosphere</i> , 2021, 271, 129868.	4.2	44
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305	Techno-environmental feasibility of wood waste derived fuel for cement production. <i>Journal of Cleaner Production</i> , 2019, 230, 663-671.	4.6	31
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308	Novel recycling of incinerated sewage sludge ash (ISSA) and waste bentonite as ceramsite for Pb-containing wastewater treatment: Performance and mechanism. <i>Journal of Environmental Management</i> , 2021, 288, 112382.	3.8	31
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