

Chi-Sun Poon

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.

448
papers

27,437
citations

87
h-index

144
g-index

460
ext. papers

33,323
ext. citations

7.9
avg, IF

7.99
L-index

#	Paper	IF	Citations
448	Heavy metal contamination of urban soils and street dusts in Hong Kong. <i>Applied Geochemistry</i> , 2001 , 16, 1361-1368	3.5	754
447	Effect of microstructure of ITZ on compressive strength of concrete prepared with recycled aggregates. <i>Construction and Building Materials</i> , 2004 , 18, 461-468	6.7	575
446	Photocatalytic construction and building materials: From fundamentals to applications. <i>Building and Environment</i> , 2009 , 44, 1899-1906	6.5	521
445	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	10.3	479
444	Degree of hydration and gel/space ratio of high-volume fly ash/cement systems. <i>Cement and Concrete Research</i> , 2000 , 30, 747-756	10.3	420
443	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	6.7	376
442	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	6.7	374
441	Enhancing the durability properties of concrete prepared with coarse recycled aggregate. <i>Construction and Building Materials</i> , 2012 , 35, 69-76	6.7	323
440	Quantifying the waste reduction potential of using prefabrication in building construction in Hong Kong. <i>Waste Management</i> , 2009 , 29, 309-20	8.6	323
439	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	8.6	314
438	Properties of self-compacting concrete prepared with coarse and fine recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2009 , 31, 622-627	8.6	296
437	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	10.3	289
436	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	3	280
435	Hydration and properties of nano-TiO ₂ blended cement composites. <i>Cement and Concrete Composites</i> , 2012 , 34, 642-649	8.6	278
434	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	8.6	263
433	Heavy metal speciation and leaching behaviors in cement based solidified/stabilized waste materials. <i>Journal of Hazardous Materials</i> , 2001 , 82, 215-30	12.8	262
432	Use of recycled aggregates in molded concrete bricks and blocks. <i>Construction and Building Materials</i> , 2002 , 16, 281-289	6.7	261

431	A study on high strength concrete prepared with large volumes of low calcium fly ash. <i>Cement and Concrete Research</i> , 2000 , 30, 447-455	10.3	257
430	Properties of recycled aggregate concrete made with recycled aggregates with different amounts of old adhered mortars. <i>Materials & Design</i> , 2014 , 58, 19-29		255
429	Rate of pozzolanic reaction of metakaolin in high-performance cement pastes. <i>Cement and Concrete Research</i> , 2001 , 31, 1301-1306	10.3	253
428	Compressive behavior of fiber reinforced high-performance concrete subjected to elevated temperatures. <i>Cement and Concrete Research</i> , 2004 , 34, 2215-2222	10.3	252
427	On-site sorting of construction and demolition waste in Hong Kong. <i>Resources, Conservation and Recycling</i> , 2001 , 32, 157-172	11.9	250
426	Properties of concrete prepared with PVA-impregnated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2010 , 32, 649-654	8.6	239
425	Use of phase change materials for thermal energy storage in concrete: An overview. <i>Construction and Building Materials</i> , 2013 , 46, 55-62	6.7	233
424	Assessment of mechanical properties of concrete incorporating carbonated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2016 , 65, 67-74	8.6	220
423	Sustainable construction aspects of using prefabrication in dense urban environment: a Hong Kong case study. <i>Construction Management and Economics</i> , 2008 , 26, 953-966	3	211
422	Comparative environmental evaluation of aggregate production from recycled waste materials and virgin sources by LCA. <i>Resources, Conservation and Recycling</i> , 2016 , 109, 67-77	11.9	204
421	Prediction of compressive strength of recycled aggregate concrete using artificial neural networks. <i>Construction and Building Materials</i> , 2013 , 40, 1200-1206	6.7	197
420	Influence of recycled aggregates on long term mechanical properties and pore size distribution of concrete. <i>Cement and Concrete Composites</i> , 2011 , 33, 286-291	8.6	197
419	Properties of lightweight aggregate concrete prepared with PVC granules derived from scraped PVC pipes. <i>Waste Management</i> , 2009 , 29, 621-8	8.6	197
418	Paving blocks made with recycled concrete aggregate and crushed clay brick. <i>Construction and Building Materials</i> , 2006 , 20, 569-577	6.7	196
417	Influence of silane-based water repellent on the durability properties of recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2013 , 35, 32-38	8.6	194
416	Use of a CO ₂ curing step to improve the properties of concrete prepared with recycled aggregates. <i>Cement and Concrete Composites</i> , 2014 , 45, 22-28	8.6	187
415	Properties of self-compacting concrete prepared with recycled glass aggregate. <i>Cement and Concrete Composites</i> , 2009 , 31, 107-113	8.6	181
414	The use of recycled aggregate in concrete in Hong Kong. <i>Resources, Conservation and Recycling</i> , 2007 , 50, 293-305	11.9	177

4 ¹³	Reducing building waste at construction sites in Hong Kong. <i>Construction Management and Economics</i> , 2004 , 22, 461-470	3	176
4 ¹²	NO removal efficiency of photocatalytic paving blocks prepared with recycled materials. <i>Construction and Building Materials</i> , 2007 , 21, 1746-1753	6.7	175
4 ¹¹	Green remediation of As and Pb contaminated soil using cement-free clay-based stabilization/solidification. <i>Environment International</i> , 2019 , 126, 336-345	12.9	175
4 ¹⁰	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	6.7	169
4 ⁰⁹	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	6.7	160
4 ⁰⁸	Performance Enhancement of Recycled Concrete Aggregates through Carbonation. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04015029	3	157
4 ⁰⁷	Compressive behaviour of recycled aggregate concrete under impact loading. <i>Cement and Concrete Research</i> , 2015 , 71, 46-55	10.3	155
4 ⁰⁶	Performance of metakaolin concrete at elevated temperatures. <i>Cement and Concrete Composites</i> , 2003 , 25, 83-89	8.6	154
4 ⁰⁵	Experimental study on CO ₂ curing for enhancement of recycled aggregate properties. <i>Construction and Building Materials</i> , 2014 , 67, 3-7	6.7	153
4 ⁰⁴	Durability of recycled aggregate concrete prepared with carbonated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2017 , 84, 214-221	8.6	147
4 ⁰³	Impact of high temperature on PFA concrete. <i>Cement and Concrete Research</i> , 2001 , 31, 1065-1073	10.3	146
4 ⁰²	Strength and durability recovery of fire-damaged concrete after post-fire-curing. <i>Cement and Concrete Research</i> , 2001 , 31, 1307-1318	10.3	144
4 ⁰¹	Life cycle design and prefabrication in buildings: A review and case studies in Hong Kong. <i>Automation in Construction</i> , 2014 , 39, 195-202	9.6	142
4 ⁰⁰	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	3.4	141
3 ⁹⁹	Properties of concrete prepared with low-grade recycled aggregates. <i>Construction and Building Materials</i> , 2012 , 36, 881-889	6.7	139
3 ⁹⁸	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	6.5	139
3 ⁹⁷	Influence of carbonated recycled concrete aggregate on properties of cement mortar. <i>Construction and Building Materials</i> , 2015 , 98, 1-7	6.7	136
3 ⁹⁶	Influence of recycled aggregate on slump and bleeding of fresh concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2007 , 40, 981-988	3.4	136

395	Recent studies on mechanical properties of recycled aggregate concrete in China: A review. <i>Science China Technological Sciences</i> , 2012 , 55, 1463-1480	3.5	129
394	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. <i>Chemical Engineering Journal</i> , 2018 , 351, 418-427	14.7	128
393	Activation of fly ash/cement systems using calcium sulfate anhydrite (CaSO ₄). <i>Cement and Concrete Research</i> , 2001 , 31, 873-881	10.3	127
392	Utilization of recycled glass derived from cathode ray tube glass as fine aggregate in cement mortar. <i>Journal of Hazardous Materials</i> , 2011 , 192, 451-6	12.8	125
391	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	6.7	125
390	Aluminium-biochar composites as sustainable heterogeneous catalysts for glucose isomerisation in a biorefinery. <i>Green Chemistry</i> , 2019 , 21, 1267-1281	10	124
389	Management of construction waste in public housing projects in Hong Kong. <i>Construction Management and Economics</i> , 2004 , 22, 675-689	3	119
388	Sustainable food waste management towards circular bioeconomy: Policy review, limitations and opportunities. <i>Bioresource Technology</i> , 2020 , 297, 122497	11	117
387	CO ₂ curing for improving the properties of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , 2013 , 42, 1-8	8.6	116
386	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	10.3	113
385	Photocatalytic activity of titanium dioxide modified concrete materials - influence of utilizing recycled glass cullets as aggregates. <i>Journal of Environmental Management</i> , 2009 , 90, 3436-42	7.9	112
384	Properties of architectural mortar prepared with recycled glass with different particle sizes. <i>Materials & Design</i> , 2011 , 32, 2675-2684		112
383	Effects of nano-particles on failure process and microstructural properties of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2017 , 142, 42-50	6.7	110
382	Influence of lead on stabilization/solidification by ordinary Portland cement and magnesium phosphate cement. <i>Chemosphere</i> , 2018 , 190, 90-96	8.4	110
381	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, 1166-72	8.6	110
380	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	12.8	110
379	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	10.3	109
378	Design issues of using prefabrication in Hong Kong building construction. <i>Construction Management and Economics</i> , 2010 , 28, 1025-1042	3	105

377	Photocatalytic cementitious materials: influence of the microstructure of cement paste on photocatalytic pollution degradation. <i>Environmental Science & Technology</i> , 2009 , 43, 8948-52	10.3	105
376	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	11.9	102
375	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	10.3	102
374	The roles of biochar as green admixture for sediment-based construction products. <i>Cement and Concrete Composites</i> , 2019 , 104, 103348	8.6	101
373	Utilization of red mud derived from bauxite in self-compacting concrete. <i>Journal of Cleaner Production</i> , 2016 , 112, 384-391	10.3	101
372	Statistical analysis of recycled aggregates derived from different sources for sub-base applications. <i>Construction and Building Materials</i> , 2012 , 28, 129-138	6.7	101
371	Catalytic valorization of starch-rich food waste into hydroxymethylfurfural (HMF): Controlling relative kinetics for high productivity. <i>Bioresource Technology</i> , 2017 , 237, 222-230	11	99
370	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. <i>Bioresource Technology</i> , 2018 , 252, 76-82	11	99
369	Feasibility of using recycled glass in architectural cement mortars. <i>Cement and Concrete Composites</i> , 2011 , 33, 848-854	8.6	99
368	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	10.3	99
367	Using artificial neural networks for predicting the elastic modulus of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2013 , 44, 524-532	6.7	98
366	Management and recycling of waste glass in concrete products: Current situations in Hong Kong. <i>Resources, Conservation and Recycling</i> , 2013 , 70, 25-31	11.9	97
365	Enhancing the performance of pre-cast concrete blocks by incorporating waste glass (ASR consideration). <i>Cement and Concrete Composites</i> , 2007 , 29, 616-625	8.6	97
364	Biochar as green additives in cement-based composites with carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2020 , 258, 120678	10.3	93
363	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	6.7	93
362	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	10.3	89
361	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , 2017 , 182, 31-39	8.4	87
360	Properties of concrete blocks prepared with low grade recycled aggregates. <i>Waste Management</i> , 2009 , 29, 2369-77	8.6	87

359	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	2	87
358	Use of waste glass in alkali activated cement mortar. <i>Construction and Building Materials</i> , 2018 , 160, 399-407	6.7	87
357	Green remediation and recycling of contaminated sediment by waste-incorporated stabilization/solidification. <i>Chemosphere</i> , 2015 , 122, 257-264	8.4	85
356	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	6.7	83
355	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	6.7	82
354	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	8.6	81
353	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	8.6	81
352	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	6.7	80
351	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	14.7	80
350	Properties of fly ash-modified cement mortar-aggregate interfaces. <i>Cement and Concrete Research</i> , 1999 , 29, 1905-1913	10.3	80
349	Recycling contaminated wood into eco-friendly particleboard using green cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , 2016 , 137, 861-870	10.3	80
348	Impact of Construction Waste Disposal Charging Scheme on work practices at construction sites in Hong Kong. <i>Waste Management</i> , 2013 , 33, 138-46	8.6	79
347	Designing out waste in high-rise residential buildings: Analysis of precasting methods and traditional construction. <i>Renewable Energy</i> , 2009 , 34, 2067-2073	8.1	79
346	Valorization of food waste into hydroxymethylfurfural: Dual role of metal ions in successive conversion steps. <i>Bioresource Technology</i> , 2016 , 219, 338-347	11	79
345	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	10.3	78
344	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	6.7	78
343	Feasible use of recycled CRT funnel glass as heavyweight fine aggregate in barite concrete. <i>Journal of Cleaner Production</i> , 2012 , 33, 42-49	10.3	78
342	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	8.6	78

341	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	10.3	77
340	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	10.2	77
339	Effect of curing parameters on CO ₂ curing of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , 2016 , 71, 122-130	8.6	76
338	Use of Furnace Bottom Ash for producing lightweight aggregate concrete with thermal insulation properties. <i>Journal of Cleaner Production</i> , 2015 , 99, 94-100	10.3	74
337	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	6.7	74
336	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	8.6	73
335	Extended theory of planned behaviour for promoting construction waste recycling in Hong Kong. <i>Waste Management</i> , 2019 , 83, 161-170	8.6	73
334	Evaluation of environmental impact distribution methods for supplementary cementitious materials. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 597-608	16.2	72
333	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	10.3	72
332	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	11	72
331	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	11.9	72
330	Effects of recycled fine glass aggregates on the properties of dry-mixed concrete blocks. <i>Construction and Building Materials</i> , 2013 , 38, 638-643	6.7	72
329	Green remediation of contaminated sediment by stabilization/solidification with industrial by-products and CO utilization. <i>Science of the Total Environment</i> , 2018 , 631-632, 1321-1327	10.2	71
328	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	8.6	71
327	Sustainable design of pervious concrete using waste glass and recycled concrete aggregate. <i>Journal of Cleaner Production</i> , 2019 , 234, 1102-1112	10.3	70
326	Materials characteristics affecting CO ₂ curing of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , 2016 , 67, 50-59	8.6	69
325	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	10.3	67
324	Propylene carbonate and γ -valerolactone as green solvents enhance Sn(IV)-catalysed hydroxymethylfurfural (HMF) production from bread waste. <i>Green Chemistry</i> , 2018 , 20, 2064-2074	10	66

323	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	10.3	66
322	Characterization of concrete properties from dielectric properties using ground penetrating radar. <i>Cement and Concrete Research</i> , 2009 , 39, 687-695	10.3	66
321	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	8.6	65
320	Effects of limestone powder on CaCO ₃ precipitation in CO ₂ cured cement pastes. <i>Cement and Concrete Composites</i> , 2016 , 72, 9-16	8.6	65
319	Accelerated carbonation of reactive MgO and Portland cement blends under flowing CO ₂ gas. <i>Cement and Concrete Composites</i> , 2020 , 106, 103489	8.6	65
318	Mixture design and treatment methods for recycling contaminated sediment. <i>Journal of Hazardous Materials</i> , 2015 , 283, 623-32	12.8	64
317	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	6.7	64
316	Combined use of waste glass powder and cullet in architectural mortar. <i>Cement and Concrete Composites</i> , 2017 , 82, 34-44	8.6	63
315	Sulfonated biochar as acid catalyst for sugar hydrolysis and dehydration. <i>Catalysis Today</i> , 2018 , 314, 52-61	5.3	63
314	Development of a new generation of eco-friendly concrete blocks by accelerated mineral carbonation. <i>Journal of Cleaner Production</i> , 2016 , 133, 1235-1241	10.3	63
313	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	8.6	62
312	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, 321-7	12.8	62
311	Comparative environmental evaluation of construction waste management through different waste sorting systems in Hong Kong. <i>Waste Management</i> , 2017 , 69, 325-335	8.6	62
310	Quantifying the Impact of Construction Waste Charging Scheme on Construction Waste Management in Hong Kong. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 466-479	4.7	62
309	Thermal induced stress and associated cracking in cement-based composite at elevated temperatures Part I: Thermal cracking around single inclusion. <i>Cement and Concrete Composites</i> , 2004 , 26, 99-111	8.6	62
308	Phosphorus recovery and leaching of trace elements from incinerated sewage sludge ash (ISSA). <i>Chemosphere</i> , 2018 , 193, 278-287	8.4	62
307	Innovative reuse of concrete slurry waste from ready-mixed concrete plants in construction products. <i>Journal of Hazardous Materials</i> , 2016 , 312, 65-72	12.8	61
306	Pozzolanic properties of reject fly ash in blended cement pastes. <i>Cement and Concrete Research</i> , 2003 , 33, 1857-1865	10.3	61

305	Inhibiting efflorescence formation on fly ash based geopolymer via silane surface modification. <i>Cement and Concrete Composites</i> , 2018 , 94, 43-52	8.6	60
304	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	8.6	60
303	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	3.4	60
302	Comparative LCA of wood waste management strategies generated from building construction activities. <i>Journal of Cleaner Production</i> , 2018 , 177, 387-397	10.3	59
301	Carbon dioxide sequestration of concrete slurry waste and its valorisation in construction products. <i>Construction and Building Materials</i> , 2016 , 113, 664-672	6.7	59
300	Feasibility study of using recycled fresh concrete waste as coarse aggregates in concrete. <i>Construction and Building Materials</i> , 2012 , 28, 549-556	6.7	59
299	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	14.7	58
298	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018 , 232, 375-384	9.3	58
297	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	8.3	58
296	Upcycling wood waste into fibre-reinforced magnesium phosphate cement particleboards. <i>Construction and Building Materials</i> , 2018 , 159, 54-63	6.7	57
295	Innovative solidification/stabilization of lead contaminated soil using incineration sewage sludge ash. <i>Chemosphere</i> , 2017 , 173, 143-152	8.4	56
294	Effects of Fly Ash and Silica Fume on Interfacial Porosity of Concrete. <i>Journal of Materials in Civil Engineering</i> , 1999 , 11, 197-205	3	56
293	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	10.3	55
292	Photocatalytic NO removal of concrete surface layers intermixed with TiO ₂ . <i>Building and Environment</i> , 2013 , 70, 102-109	6.5	55
291	Utilizing high volumes quarry wastes in the production of lightweight foamed concrete. <i>Construction and Building Materials</i> , 2017 , 151, 441-448	6.7	55
290	Production of lightweight concrete using incinerator bottom ash. <i>Construction and Building Materials</i> , 2008 , 22, 473-480	6.7	55
289	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	8.6	55
288	Sustainable reclamation of phosphorus from incinerated sewage sludge ash as value-added struvite by chemical extraction, purification and crystallization. <i>Journal of Cleaner Production</i> , 2018 , 181, 717-725	10.3	54

287	Transforming wood waste into water-resistant magnesia-phosphate cement particleboard modified by alumina and red mud. <i>Journal of Cleaner Production</i> , 2017 , 168, 452-462	10.3	54
286	TiO ₂ -based self-compacting glass mortar: Comparison of photocatalytic nitrogen oxide removal and bacteria inactivation. <i>Building and Environment</i> , 2012 , 53, 1-6	6.5	54
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23	Corrosion behavior of carbon steel in chloride-contaminated ultra-high-performance cement pastes. <i>Cement and Concrete Composites</i> , 2022 , 104443	8.6	1
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