

# Chi-Sun Poon

## List of Publications by Year in Descending Order

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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	Sustainable utilization of incinerated sewage sludge ash <b>2022</b> , 211-225		
447	Evaluating comprehensive carbon emissions of solidification/stabilization technologies: a case study <b>2022</b> , 517-530		
446	Phase assemblance evolution during wet carbonation of recycled concrete fines. <i>Cement and Concrete Research</i> , <b>2022</b> , 154, 106733	10.3	3
445	Corrosion behavior of carbon steel in chloride-contaminated ultra-high-performance cement pastes. <i>Cement and Concrete Composites</i> , <b>2022</b> , 104443	8.6	1
444	Recycling of waste glass powder as paste replacement in green UHPFRC. <i>Construction and Building Materials</i> , <b>2022</b> , 316, 125719	6.7	5
443	Enzymatically induced phosphate precipitation (EIPP) for stabilization/solidification (S/S) treatment of heavy metal tailings. <i>Construction and Building Materials</i> , <b>2022</b> , 314, 125577	6.7	2
442	Using hazardous barium slag as a novel admixture for alkali activated slag cement. <i>Cement and Concrete Composites</i> , <b>2022</b> , 125, 104332	8.6	2
441	Strength degradation of seawater-mixed alite pastes: an explanation from statistical nanoindentation perspective. <i>Cement and Concrete Research</i> , <b>2022</b> , 152, 106669	10.3	1
440	Effect of the Ti-extracted residue on compressive strength and microstructural properties of modified cement mortar. <i>Construction and Building Materials</i> , <b>2022</b> , 320, 126190	6.7	3
439	Characteristics and production of semi-dry lightweight concrete with cold bonded aggregates made from recycling concrete slurry waste (CSW) and municipal solid waste incineration bottom ash (MSWIBA). <i>Journal of Building Engineering</i> , <b>2022</b> , 45, 103434	5.2	3
438	Sewage sludge ash-incorporated stabilisation/solidification for recycling and remediation of marine sediments. <i>Journal of Environmental Management</i> , <b>2022</b> , 301, 113877	7.9	3
437	Deep insight on mechanism and contribution of As(V) removal by thermal modification waste concrete powder. <i>Science of the Total Environment</i> , <b>2022</b> , 807, 150764	10.2	1
436	Mix design and performance of lightweight ultra high-performance concrete. <i>Materials and Design</i> , <b>2022</b> , 216, 110553	8.1	1
435	Long-term shrinkage and mechanical properties of fully recycled aggregate concrete: Testing and modelling. <i>Cement and Concrete Composites</i> , <b>2022</b> , 104527	8.6	3
434	Upcycling of air pollution control residue waste into cementitious product through geopolymerization technology. <i>Resources, Conservation and Recycling</i> , <b>2022</b> , 181, 106231	11.9	0
433	Immobilization and recycling of contaminated marine sediments in cement-based materials incorporating iron-biochar composites.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 435, 128971	12.8	2
432	Recycling of phosphogypsum and red mud in low carbon and green cementitious materials for vertical barrier.. <i>Science of the Total Environment</i> , <b>2022</b> , 155925	10.2	0

431	Effects of seawater on UHPC: Macro and microstructure properties. <i>Construction and Building Materials</i> , <b>2022</b> , 340, 127767	6.7	0
430	Enhancing the resistance to microbial induced corrosion of alkali-activated glass powder/GGBS mortars by calcium aluminate cement. <i>Construction and Building Materials</i> , <b>2022</b> , 341, 127912	6.7	0
429	Strategy for preventing explosive spalling and enhancing material efficiency of lightweight ultra high-performance concrete. <i>Cement and Concrete Research</i> , <b>2022</b> , 158, 106842	10.3	0
428	Modification of recycled aggregate by spraying colloidal nano silica and silica fume. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2021</b> , 54, 1	3.4	1
427	Improving the bonding capacity of recycled concrete aggregate by creating a reactive shell with aqueous carbonation. <i>Construction and Building Materials</i> , <b>2021</b> , 125733	6.7	0
426	Efficiencies of carbonation and nano silica treatment methods in enhancing the performance of recycled aggregate concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 308, 125080	6.7	8
425	Highly-efficient green photocatalytic cementitious materials with robust weathering resistance: From laboratory to application. <i>Environmental Pollution</i> , <b>2021</b> , 273, 116510	9.3	3
424	Utilization of CO <sub>2</sub> cured CSW-MSWIBA cold bonded aggregate into lightweight concrete products for masonry units. <i>Construction and Building Materials</i> , <b>2021</b> , 276, 122203	6.7	3
423	Alkaline modification of the acid residue of incinerated sewage sludge ash after phosphorus recovery for heavy metal removal from aqueous solutions. <i>Waste Management</i> , <b>2021</b> , 123, 80-87	8.6	4
422	Enhancement of recycled aggregates and concrete by combined treatment of spraying Ca <sup>2+</sup> rich wastewater and flow-through carbonation. <i>Construction and Building Materials</i> , <b>2021</b> , 277, 122202	6.7	12
421	Influence of seawater on the mechanical and microstructural properties of lime-incineration sewage sludge ash pastes. <i>Construction and Building Materials</i> , <b>2021</b> , 278, 122364	6.7	3
420	Effect of natural and recycled aggregate packing on properties of concrete blocks. <i>Construction and Building Materials</i> , <b>2021</b> , 278, 122247	6.7	14
419	Characterization and optimization of a two-step carbonation process for valorization of recycled cement paste fine powder. <i>Construction and Building Materials</i> , <b>2021</b> , 278, 122343	6.7	5
418	Stress-strain behaviour of cement mortars containing recycled glass during and after exposure to elevated temperatures. <i>Cement and Concrete Composites</i> , <b>2021</b> , 118, 103970	8.6	6
417	Development of nano-silica treatment methods to enhance recycled aggregate concrete. <i>Cement and Concrete Composites</i> , <b>2021</b> , 118, 103963	8.6	23
416	A comparison of liquid-solid and gas-solid accelerated carbonation for enhancement of recycled concrete aggregate. <i>Cement and Concrete Composites</i> , <b>2021</b> , 118, 103988	8.6	29
415	Stress-Strain Curve and Carbonation Resistance of Recycled Aggregate Concrete after Using Different RCA Treatment Techniques. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 4283	2.6	3
414	Sustainable stabilization/solidification of arsenic-containing soil by blast slag and cement blends. <i>Chemosphere</i> , <b>2021</b> , 271, 129868	8.4	15

413	Strategies for Effective Waste Reduction and Management of Building Construction Projects in Highly Urbanized Cities—A Case Study of Hong Kong. <i>Buildings</i> , <b>2021</b> , 11, 214	3.2	5
412	Use of thermally modified waste concrete powder for removal of Pb (II) from wastewater: Effects and mechanism. <i>Environmental Pollution</i> , <b>2021</b> , 277, 116776	9.3	7
411	Arsenate(V) removal from aqueous system by using modified incinerated sewage sludge ash (ISSA) as a novel adsorbent. <i>Chemosphere</i> , <b>2021</b> , 270, 129423	8.4	6
410	Multi-scale investigation on mechanical behavior and microstructural alteration of C-S-H in carbonated Alite paste. <i>Cement and Concrete Research</i> , <b>2021</b> , 144, 106448	10.3	7
409	Use of self-hardening slurry for trench cutoff wall: A review. <i>Construction and Building Materials</i> , <b>2021</b> , 286, 122959	6.7	9
408	Production of lightweight aggregate ceramsite from red mud and municipal solid waste incineration bottom ash: Mechanism and optimization. <i>Construction and Building Materials</i> , <b>2021</b> , 287, 122993	6.7	12
407	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> , <b>2021</b> , 288, 112382	7.9	7
406	Influence of a Superplasticizer on Initial Corrosion of Galvanized Steel Bars in Concrete Pore Solution. <i>Journal of Materials in Civil Engineering</i> , <b>2021</b> , 33, 04021113	3	2
405	Optimization of gas-solid carbonation conditions of recycled aggregates using a linear weighted sum method. <i>Developments in the Built Environment</i> , <b>2021</b> , 7, 100053	5.1	11
404	Using MgO activated slag and calcium bentonite slurry to produce a novel vertical barrier material: Performances and mechanisms. <i>Construction and Building Materials</i> , <b>2021</b> , 291, 123365	6.7	6
403	An innovative way to enhance the high temperature properties of alkali activated cement mortars prepared by using glass powder as precursor. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2021</b> , 54, 1	3.4	
402	A cross-region analysis of commercial food waste recycling behaviour. <i>Chemosphere</i> , <b>2021</b> , 274, 129750	8.4	4
401	Mechanisms on Accelerating Hydration of Alite Mixed with Inorganic Salts in Seawater and Characteristics of Hydration Products. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 10479-10490	8.3	3
400	Feasibility of wet-extraction of phosphorus from incinerated sewage sludge ash (ISSA) for phosphate fertilizer production: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2021</b> , 51, 939-971	11.1	21
399	A novel upcycling technique of recycled cement paste powder by a two-step carbonation process. <i>Journal of Cleaner Production</i> , <b>2021</b> , 290, 125192	10.3	10
398	Utilization of glass cullet to enhance the performance of recycled aggregate unbound sub-base. <i>Journal of Cleaner Production</i> , <b>2021</b> , 288, 125083	10.3	4
397	Comparative studies on passivation and corrosion behaviors of two types of steel bars in simulated concrete pore solution. <i>Construction and Building Materials</i> , <b>2021</b> , 266, 120971	6.7	3
396	Conceptual design and performance evaluation of high strength pervious concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 269, 121342	6.7	11

395	Cement treatment of recycled concrete aggregates and incinerator bottom ash as road bases in pavements <b>2021</b> , 617-634		
394	Comprehensive environmental evaluation of photocatalytic eco-blocks produced with recycled materials <b>2021</b> , 567-582		
393	Mechanism of strength evolution of seawater OPC pastes. <i>Advances in Structural Engineering</i> , <b>2021</b> , 24, 1256-1266	1.9	1
392	Mechanical properties of colloidal calcium-silicate-hydrate gel with different gel-pore ionic solutions: A mesoscale study. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 316, 110944	5.3	2
391	Development and characteristics of ultra high-performance lightweight cementitious composites (UHP-LCCs). <i>Cement and Concrete Research</i> , <b>2021</b> , 145, 106462	10.3	8
390	Hydration, mechanical properties and microstructure of lime-pozzolana pastes by recycling waste sludge ash under marine environment. <i>Journal of Cleaner Production</i> , <b>2021</b> , 310, 127441	10.3	1
389	Early-age and microstructural properties of glass powder blended cement paste: Improvement by seawater. <i>Cement and Concrete Composites</i> , <b>2021</b> , 122, 104165	8.6	2
388	Reaction mechanisms of alkali-activated glass powder-ggbs-CAC composites. <i>Cement and Concrete Composites</i> , <b>2021</b> , 122, 104143	8.6	3
387	Effect of NaCl and MgCl <sub>2</sub> on the hydration of lime-pozzolan blend by recycling sewage sludge ash. <i>Journal of Cleaner Production</i> , <b>2021</b> , 313, 127759	10.3	2
386	Synthesis of amorphous nano-silica from recycled concrete fines by two-step wet carbonation. <i>Cement and Concrete Research</i> , <b>2021</b> , 147, 106526	10.3	6
385	Fast enhancement of recycled fine aggregates properties by wet carbonation. <i>Journal of Cleaner Production</i> , <b>2021</b> , 313, 127867	10.3	7
384	Efficiency and mechanism of nano-silica pre-spraying treatment in performance enhancement of recycled aggregate concrete. <i>Construction and Building Materials</i> , <b>2021</b> , 301, 124093	6.7	9
383	Immobilization of high-Pb contaminated soil by oxalic acid activated incinerated sewage sludge ash. <i>Environmental Pollution</i> , <b>2021</b> , 284, 117120	9.3	2
382	Recycling sediment, calcium carbide slag and ground granulated blast-furnace slag into novel and sustainable cementitious binder for production of eco-friendly mortar. <i>Construction and Building Materials</i> , <b>2021</b> , 305, 124772	6.7	10
381	Recycle of large amount cathode ray tube funnel glass sand to mortar with supplementary cementitious materials. <i>Construction and Building Materials</i> , <b>2021</b> , 308, 124953	6.7	2
380	Effect of seawater as mixing water on the hydration behaviour of tricalcium aluminate. <i>Cement and Concrete Research</i> , <b>2021</b> , 149, 106565	10.3	4
379	Design optimization and characterization of a green product by combined geopolymerization of sewage sludge ash with metakaolin. <i>Applied Clay Science</i> , <b>2021</b> , 214, 106271	5.2	0
378	Utilization of municipal solid waste incineration bottom ash (IBA) aggregates in high-strength pervious concrete. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 174, 105736	11.9	10

377	Improvement in properties of concrete with modified RCA by microbial induced carbonate precipitation. <i>Cement and Concrete Composites</i> , <b>2021</b> , 124, 104251	8.6	8
376	Development of high performance lightweight concrete using ultra high performance cementitious composite and different lightweight aggregates. <i>Cement and Concrete Composites</i> , <b>2021</b> , 124, 104277	8.6	4
375	Recycling of waste glass in cement mortars: Mechanical properties under high temperature loading. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 174, 105831	11.9	3
374	Novel recycling of phosphorus-recovered incinerated sewage sludge ash residues by co-pyrolysis with lignin for reductive/sorptive removal of hexavalent chromium from aqueous solutions. <i>Chemosphere</i> , <b>2021</b> , 285, 131434	8.4	4
373	Slow pyrolysis of municipal solid waste (MSW): A review. <i>Bioresource Technology</i> , <b>2020</b> , 312, 123615	11	32
372	Recycling of Glass Cullet and Glass Powder in Alkali-Activated Cement: Mechanical Properties and Alkali-Silica Reaction. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 7159-7169	3.2	5
371	Water resistance of magnesium oxychloride cement wood board with the incorporation of supplementary cementitious materials. <i>Construction and Building Materials</i> , <b>2020</b> , 255, 119145	6.7	7
370	Improving the high temperature mechanical properties of alkali activated cement (AAC) mortars using recycled glass as aggregates. <i>Cement and Concrete Composites</i> , <b>2020</b> , 112, 103654	8.6	11
369	Immobilization of hazardous municipal solid waste incineration fly ash by novel alternative binders derived from cementitious waste. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 393, 122386	12.8	34
368	Efficacy of green alternatives and carbon dioxide curing in reactive magnesia cement-bonded particleboards. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120997	10.3	18
367	ASR expansion of alkali-activated cement glass aggregate mortars. <i>Construction and Building Materials</i> , <b>2020</b> , 261, 119925	6.7	12
366	Sewage sludge ash: A comparative evaluation with fly ash for potential use as lime-pozzolan binders. <i>Construction and Building Materials</i> , <b>2020</b> , 242, 118160	6.7	16
365	The mechanism of supplementary cementitious materials enhancing the water resistance of magnesium oxychloride cement (MOC): A comparison between pulverized fuel ash and incinerated sewage sludge ash. <i>Cement and Concrete Composites</i> , <b>2020</b> , 109, 103562	8.6	12
364	Biochar as green additives in cement-based composites with carbon dioxide curing. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120678	10.3	93
363	Investigation of cementitious properties of different constituents in municipal solid waste incineration bottom ash as supplementary cementitious materials. <i>Journal of Cleaner Production</i> , <b>2020</b> , 258, 120675	10.3	17
362	A ternary optimization of alkali-activated cement mortars incorporating glass powder, slag and calcium aluminate cement. <i>Construction and Building Materials</i> , <b>2020</b> , 240, 117983	6.7	20
361	Photocatalytic nano-mortars <b>2020</b> , 273-296		1
360	Phosphorus (P) recovery and reuse as fertilizer from incinerated sewage sludge ash (ISSA) <b>2020</b> , 263-288		

359	Optimizing the use of recycled glass materials in alkali activated cement (AAC) based mortars. <i>Journal of Cleaner Production</i> , <b>2020</b> , 255, 120228	10.3	20
358	Enhanced passivation of galvanized steel bars in nano-silica modified cement mortars. <i>Cement and Concrete Composites</i> , <b>2020</b> , 111, 103626	8.6	8
357	Synergetic recycling of waste glass and recycled aggregates in cement mortars: Physical, durability and microstructure performance. <i>Cement and Concrete Composites</i> , <b>2020</b> , 113, 103632	8.6	23
356	High temperature performance of wet-mix and dry-mix mortars prepared with different contents and size gradings of glass aggregates: Hot test and cold test. <i>Cement and Concrete Composites</i> , <b>2020</b> , 108, 103548	8.6	4
355	Mechanistic study on initial passivation and surface chemistry of steel bars in nano-silica cement pastes. <i>Cement and Concrete Composites</i> , <b>2020</b> , 112, 103661	8.6	12
354	Evaluating the environmental impacts of stabilization and solidification technologies for managing hazardous wastes through life cycle assessment: A case study of Hong Kong. <i>Environment International</i> , <b>2020</b> , 145, 106139	12.9	15
353	Engineering and microstructure properties of contaminated marine sediments solidified by high content of incinerated sewage sludge ash. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , <b>2020</b> ,	5.3	4
352	Rheological behaviour, mechanical performance, and NO <sub>x</sub> removal of photocatalytic mortar with combined clay brick sands-based and recycled glass-based nano-TiO <sub>2</sub> composite photocatalysts. <i>Construction and Building Materials</i> , <b>2020</b> , 240, 117698	6.7	10
351	Enhancing the accelerated carbonation of recycled concrete aggregates by using reclaimed wastewater from concrete batching plants. <i>Construction and Building Materials</i> , <b>2020</b> , 239, 117810	6.7	20
350	Assessment of long-term reactivity of initially lowly-reactive solid wastes as supplementary cementitious materials (SCMs). <i>Construction and Building Materials</i> , <b>2020</b> , 232, 117192	6.7	23
349	Influence of green solvent on levulinic acid production from lignocellulosic paper waste. <i>Bioresource Technology</i> , <b>2020</b> , 298, 122544	11	46
348	Accelerated carbonation of reactive MgO and Portland cement blends under flowing CO <sub>2</sub> gas. <i>Cement and Concrete Composites</i> , <b>2020</b> , 106, 103489	8.6	65
347	Investigation of cold bonded lightweight aggregates produced with incineration sewage sludge ash (ISSA) and cementitious waste. <i>Journal of Cleaner Production</i> , <b>2020</b> , 251, 119709	10.3	15
346	Tailoring acidity and porosity of alumina catalysts via transition metal doping for glucose conversion in biorefinery. <i>Science of the Total Environment</i> , <b>2020</b> , 704, 135414	10.2	7
345	Sustainable food waste management towards circular bioeconomy: Policy review, limitations and opportunities. <i>Bioresource Technology</i> , <b>2020</b> , 297, 122497	11	117
344	Improvement in corrosion resistance of recycled aggregate concrete by nano silica suspension modification on recycled aggregates. <i>Cement and Concrete Composites</i> , <b>2020</b> , 106, 103476	8.6	42
343	Development of high-strength pervious concrete incorporated with high percentages of waste glass. <i>Cement and Concrete Composites</i> , <b>2020</b> , 114, 103790	8.6	14
342	Feasible use of municipal solid waste incineration bottom ash in ultra-high performance concrete. <i>Cement and Concrete Composites</i> , <b>2020</b> , 114, 103814	8.6	18

341	Recycling of waste glass in dry-mixed concrete blocks: Evaluation of alkali-silica reaction (ASR) by accelerated laboratory tests and long-term field monitoring. <i>Construction and Building Materials</i> , <b>2020</b> , 262, 120865	6.7	8
340	Sludge biochar as a green additive in cement-based composites: Mechanical properties and hydration kinetics. <i>Construction and Building Materials</i> , <b>2020</b> , 262, 120723	6.7	22
339	Rheology behavior of one-part alkali activated slag/glass powder (AASG) pastes. <i>Construction and Building Materials</i> , <b>2020</b> , 258, 120381	6.7	19
338	Bacterial-induced mineralization (BIM) for soil solidification and heavy metal stabilization: A critical review. <i>Science of the Total Environment</i> , <b>2020</b> , 746, 140967	10.2	28
337	Influence of Seawater on the Morphological Evolution and the Microchemistry of Hydration Products of Tricalcium Silicates (C3S). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 15875-15887	8.3	10
336	Characterization of interfacial transition zone in concrete prepared with carbonated modeled recycled concrete aggregates. <i>Cement and Concrete Research</i> , <b>2020</b> , 136, 106175	10.3	39
335	Comparison of the mechanically compacted dry-mix and ordinary vibrated wet-mix glass concretes after exposure to elevated temperatures. <i>Cement and Concrete Composites</i> , <b>2020</b> , 114, 103720	8.6	2
334	Promoting effective construction and demolition waste management towards sustainable development: A case study of Hong Kong. <i>Sustainable Development</i> , <b>2020</b> , 28, 1713-1724	6.7	24
333	Tunable functionalities in layered double hydroxide catalysts for thermochemical conversion of biomass-derived glucose to fructose. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 122914	14.7	15
332	Recycling incinerated sewage sludge ash (ISSA) as a cementitious binder by lime activation. <i>Journal of Cleaner Production</i> , <b>2020</b> , 244, 118856	10.3	35
331	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> , <b>2020</b> , 244, 118853	10.3	49
330	Recycling hazardous textile effluent sludge in cement-based construction materials: Physicochemical interactions between sludge and cement. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 121034	12.8	14
329	Use of CO curing to enhance the properties of cold bonded lightweight aggregates (CBLAs) produced with concrete slurry waste (CSW) and fine incineration bottom ash (IBA). <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 120951	12.8	33
328	Effects of sodium/calcium cation exchange on the mechanical properties of calcium silicate hydrate (C-S-H). <i>Construction and Building Materials</i> , <b>2020</b> , 243, 118283	6.7	12
327	Heat of hydration of cement pastes containing high-volume fly ash and silica fume. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 2065-2075	4.1	6
326	Distribution of ASR gel in conventional wet-mix glass mortars and mechanically produced dry-mix glass blocks. <i>Construction and Building Materials</i> , <b>2019</b> , 229, 116916	6.7	7
325	The roles of biochar as green admixture for sediment-based construction products. <i>Cement and Concrete Composites</i> , <b>2019</b> , 104, 103348	8.6	101
324	Sustainable design of pervious concrete using waste glass and recycled concrete aggregate. <i>Journal of Cleaner Production</i> , <b>2019</b> , 234, 1102-1112	10.3	70



323	Techno-environmental feasibility of wood waste derived fuel for cement production. <i>Journal of Cleaner Production</i> , <b>2019</b> , 230, 663-671	10.3	15
322	An off-site snapshot methodology for estimating building construction waste composition - a case study of Hong Kong. <i>Environmental Impact Assessment Review</i> , <b>2019</b> , 77, 128-135	5.3	50
321	Methodology for upstream estimation of construction waste for new building projects. <i>Journal of Cleaner Production</i> , <b>2019</b> , 230, 1003-1012	10.3	24
320	Using incinerated sewage sludge ash as a high-performance adsorbent for lead removal from aqueous solutions: Performances and mechanisms. <i>Chemosphere</i> , <b>2019</b> , 226, 587-596	8.4	22
319	Systematic evaluation of the effect of replacing river sand by different particle size ranges of fine recycled concrete aggregates (FRCA) in cement mortars. <i>Construction and Building Materials</i> , <b>2019</b> , 209, 147-155	6.7	31
318	Sustainable stabilization/solidification of municipal solid waste incinerator fly ash by incorporation of green materials. <i>Journal of Cleaner Production</i> , <b>2019</b> , 222, 335-343	10.3	102
317	Influence of particle size of glass aggregates on the high temperature properties of dry-mix concrete blocks. <i>Construction and Building Materials</i> , <b>2019</b> , 209, 522-531	6.7	24
316	Valorization of concrete slurry waste (CSW) and fine incineration bottom ash (IBA) into cold bonded lightweight aggregates (CBLAs): Feasibility and influence of binder types. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 368, 689-697	12.8	29
315	Development of a Novel Binder Using Lime and Incinerated Sewage Sludge Ash to Stabilize and Solidify Contaminated Marine Sediments with High Water Content as a Fill Material. <i>Journal of Materials in Civil Engineering</i> , <b>2019</b> , 31, 04019245	3	12
314	Hybrid non-destructive evaluation methods for characterizing chloride-induced corrosion in concrete. <i>NDT and E International</i> , <b>2019</b> , 107, 102123	4.1	9
313	Carbonation treatment of recycled concrete aggregate: Effect on transport properties and steel corrosion of recycled aggregate concrete. <i>Cement and Concrete Composites</i> , <b>2019</b> , 104, 103360	8.6	60
312	Sustainable reuse of waste glass and incinerated sewage sludge ash in insulating building products: Functional and durability assessment. <i>Journal of Cleaner Production</i> , <b>2019</b> , 236, 117635	10.3	26
311	Recycling of incinerated sewage sludge ash as an adsorbent for heavy metals removal from aqueous solutions. <i>Journal of Environmental Management</i> , <b>2019</b> , 247, 509-517	7.9	21
310	Co-utilization of waste glass cullet and glass powder in precast concrete products. <i>Construction and Building Materials</i> , <b>2019</b> , 223, 210-220	6.7	29
309	Using microbial carbonate precipitation to improve the properties of recycled aggregate. <i>Construction and Building Materials</i> , <b>2019</b> , 228, 116743	6.7	24
308	A system dynamics approach to determine construction waste disposal charge in Hong Kong. <i>Journal of Cleaner Production</i> , <b>2019</b> , 241, 118309	10.3	30
307	Green remediation of As and Pb contaminated soil using cement-free clay-based stabilization/solidification. <i>Environment International</i> , <b>2019</b> , 126, 336-345	12.9	175
306	Aluminium-biochar composites as sustainable heterogeneous catalysts for glucose isomerisation in a biorefinery. <i>Green Chemistry</i> , <b>2019</b> , 21, 1267-1281	10	124

305	Supercritical Carbon Dioxide Extraction of Value-Added Products and Thermochemical Synthesis of Platform Chemicals from Food Waste. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2821-2829	8.3	16
304	Organic Acid-Regulated Lewis Acidity for Selective Catalytic Hydroxymethylfurfural Production from Rice Waste: An Experimental/Computational Study. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 1437-1446	8.3	16
303	Transforming waterworks sludge into controlled low-strength material: Bench-scale optimization and field test validation. <i>Journal of Environmental Management</i> , <b>2019</b> , 232, 254-263	7.9	14
302	Novel synergy of Si-rich minerals and reactive MgO for stabilisation/solidification of contaminated sediment. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 365, 695-706	12.8	110
301	Effects of nano-SiO <sub>2</sub> and glass powder on mitigating alkali-silica reaction of cement glass mortars. <i>Construction and Building Materials</i> , <b>2019</b> , 201, 295-302	6.7	24
300	Mechanism for rapid hardening of cement pastes under coupled CO <sub>2</sub> -water curing regime. <i>Cement and Concrete Composites</i> , <b>2019</b> , 97, 78-88	8.6	53
299	Effect of particle size of nanosilica on microstructure of C-S-H and its impact on mechanical strength. <i>Cement and Concrete Composites</i> , <b>2019</b> , 97, 312-321	8.6	36
298	The effect of nanoalumina on early hydration and mechanical properties of cement pastes. <i>Construction and Building Materials</i> , <b>2019</b> , 202, 169-176	6.7	25
297	Improved photocatalytic nitrogen oxides removal using recycled glass-nano-TiO <sub>2</sub> composites with NaOH pre-treatment. <i>Journal of Cleaner Production</i> , <b>2019</b> , 209, 1095-1104	10.3	17
296	MSWIBA-based cellular alkali-activated concrete incorporating waste glass powder. <i>Cement and Concrete Composites</i> , <b>2019</b> , 95, 128-136	8.6	43
295	Extended theory of planned behaviour for promoting construction waste recycling in Hong Kong. <i>Waste Management</i> , <b>2019</b> , 83, 161-170	8.6	73
294	Sequestration of carbon dioxide by RCAs and enhancement of properties of RAC by accelerated carbonation <b>2019</b> , 477-497		2
293	Recycling of waste glass in construction materials <b>2019</b> , 153-167		10
292	Mechanical, durability and environmental aspects of magnesium oxychloride cement boards incorporating waste wood. <i>Journal of Cleaner Production</i> , <b>2019</b> , 207, 391-399	10.3	38
291	Improvement of early-age properties for glass-cement mortar by adding nanosilica. <i>Cement and Concrete Composites</i> , <b>2018</b> , 89, 18-30	8.6	40
290	Influence of chloride ion on depassivation of passive film on galvanized steel bars in concrete pore solution. <i>Construction and Building Materials</i> , <b>2018</b> , 166, 572-580	6.7	20
289	A novel type of controlled low strength material derived from alum sludge and green materials. <i>Construction and Building Materials</i> , <b>2018</b> , 165, 792-800	6.7	43
288	Effect of carbonation of modeled recycled coarse aggregate on the mechanical properties of modeled recycled aggregate concrete. <i>Cement and Concrete Composites</i> , <b>2018</b> , 89, 169-180	8.6	48

287	Sulfonated biochar as acid catalyst for sugar hydrolysis and dehydration. <i>Catalysis Today</i> , <b>2018</b> , 314, 52-61	6.3	63
286	Effect of casting methods and SCMs on properties of mortars prepared with fine MSW incineration bottom ash. <i>Construction and Building Materials</i> , <b>2018</b> , 167, 890-898	6.7	27
285	Environmental and technical feasibility study of upcycling wood waste into cement-bonded particleboard. <i>Construction and Building Materials</i> , <b>2018</b> , 173, 474-480	6.7	28
284	Assessment of in-situ alkali-silica reaction (ASR) development of glass aggregate concrete prepared with dry-mix and conventional wet-mix methods by X-ray computed micro-tomography. <i>Cement and Concrete Composites</i> , <b>2018</b> , 90, 266-276	8.6	35
283	Propylene carbonate and Valerolactone as green solvents enhance Sn(IV)-catalysed hydroxymethylfurfural (HMF) production from bread waste. <i>Green Chemistry</i> , <b>2018</b> , 20, 2064-2074	10	66
282	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> , <b>2018</b> , 181, 717-725	10.3	54
281	Comparative evaluation of fire resistance of partition wall blocks prepared with waste materials. <i>Journal of Cleaner Production</i> , <b>2018</b> , 182, 156-165	10.3	14
280	Change in re-use value of incinerated sewage sludge ash due to chemical extraction of phosphorus. <i>Waste Management</i> , <b>2018</b> , 74, 404-412	8.6	38
279	Production of 5-hydroxymethylfurfural from starch-rich food waste catalyzed by sulfonated biochar. <i>Bioresource Technology</i> , <b>2018</b> , 252, 76-82	11	99
278	Comparative LCA of wood waste management strategies generated from building construction activities. <i>Journal of Cleaner Production</i> , <b>2018</b> , 177, 387-397	10.3	59
277	Recovery of phosphorus from incinerated sewage sludge ash by combined two-step extraction and selective precipitation. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 74-83	14.7	58
276	Superior photocatalytic NO <sub>x</sub> removal of cementitious materials prepared with white cement over ordinary Portland cement and the underlying mechanisms. <i>Cement and Concrete Composites</i> , <b>2018</b> , 90, 42-49	8.6	16
275	Influence of calcium ion in concrete pore solution on the passivation of galvanized steel bars. <i>Cement and Concrete Research</i> , <b>2018</b> , 108, 46-58	10.3	27
274	Three-dimensional spatial variability of arsenic-containing soil from geogenic source in Hong Kong: Implications on sampling strategies. <i>Science of the Total Environment</i> , <b>2018</b> , 633, 836-847	10.2	11
273	Green remediation of contaminated sediment by stabilization/solidification with industrial by-products and CO utilization. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 1321-1327	10.2	71
272	Effects of low-alkalinity binders on stabilization/solidification of geogenic As-containing soils: Spectroscopic investigation and leaching tests. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 1486-1494	10.2	33
271	Enhancement of recycled aggregate properties by accelerated CO <sub>2</sub> curing coupled with limewater soaking process. <i>Cement and Concrete Composites</i> , <b>2018</b> , 89, 230-237	8.6	62
270	Life-cycle cost-benefit analysis on sustainable food waste management: The case of Hong Kong International Airport. <i>Journal of Cleaner Production</i> , <b>2018</b> , 187, 751-762	10.3	44

269	Global perspective on application of controlled low-strength material (CLSM) for trench backfilling An overview. <i>Construction and Building Materials</i> , <b>2018</b> , 158, 535-548	6.7	37
268	Combined use of sewage sludge ash and recycled glass cullet for the production of concrete blocks. <i>Journal of Cleaner Production</i> , <b>2018</b> , 171, 1447-1459	10.3	66
267	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , <b>2018</b> , 232, 375-384	9.3	58
266	Valorization of lignocellulosic fibres of paper waste into levulinic acid using solid and aqueous Brüsted acid. <i>Bioresource Technology</i> , <b>2018</b> , 247, 387-394	11	48
265	Influence of lead on stabilization/solidification by ordinary Portland cement and magnesium phosphate cement. <i>Chemosphere</i> , <b>2018</b> , 190, 90-96	8.4	110
264	Removal of metallic Al and Al/Zn alloys in MSWI bottom ash by alkaline treatment. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 344, 73-80	12.8	34
263	Evaluation of environmental impact distribution methods for supplementary cementitious materials. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 597-608	16.2	72
262	Thermal and residual mechanical profile of recycled aggregate concrete prepared with carbonated concrete aggregates after exposure to elevated temperatures. <i>Fire and Materials</i> , <b>2018</b> , 42, 134-142	1.8	17
261	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. <i>Chemical Engineering Journal</i> , <b>2018</b> , 351, 418-427	14.7	128
260	Rate-dependent tensile properties of ultra-high performance engineered cementitious composites (UHP-ECC). <i>Cement and Concrete Composites</i> , <b>2018</b> , 93, 218-234	8.6	52
259	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> , <b>2018</b> , 183, 544-553	6.7	64
258	Phosphoric acid-activated wood biochar for catalytic conversion of starch-rich food waste into glucose and 5-hydroxymethylfurfural. <i>Bioresource Technology</i> , <b>2018</b> , 267, 242-248	11	72
257	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. <i>Journal of Cleaner Production</i> , <b>2018</b> , 199, 69-76	10.3	67
256	Management and sustainable utilization of processing wastes from ready-mixed concrete plants in construction: A review. <i>Resources, Conservation and Recycling</i> , <b>2018</b> , 136, 238-247	11.9	72
255	The hindrance to using prefabrication in Hong Kong's building industry. <i>Journal of Cleaner Production</i> , <b>2018</b> , 204, 70-81	10.3	45
254	Inhibiting efflorescence formation on fly ash-based geopolymer via silane surface modification. <i>Cement and Concrete Composites</i> , <b>2018</b> , 94, 43-52	8.6	60
253	Prediction of the bond strength between non-uniformly corroded steel reinforcement and deteriorated concrete. <i>Construction and Building Materials</i> , <b>2018</b> , 187, 1267-1276	6.7	21
252	Global warming potential and energy consumption of temporary works in building construction: A case study in Hong Kong. <i>Building and Environment</i> , <b>2018</b> , 142, 171-179	6.5	28

251	Use of waste glass in alkali activated cement mortar. <i>Construction and Building Materials</i> , <b>2018</b> , 160, 399-407	4.7	87
250	A maturity approach to estimate compressive strength development of CO <sub>2</sub> -cured concrete blocks. <i>Cement and Concrete Composites</i> , <b>2018</b> , 85, 153-160	8.6	42
249	Upcycling wood waste into fibre-reinforced magnesium phosphate cement particleboards. <i>Construction and Building Materials</i> , <b>2018</b> , 159, 54-63	6.7	57
248	Comparison of glass powder and pulverized fuel ash for improving the water resistance of magnesium oxychloride cement. <i>Cement and Concrete Composites</i> , <b>2018</b> , 86, 98-109	8.6	55
247	Sound insulation properties of rubberized lightweight aggregate concrete. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 3176-3185	10.3	43
246	Phosphorus recovery and leaching of trace elements from incinerated sewage sludge ash (ISSA). <i>Chemosphere</i> , <b>2018</b> , 193, 278-287	8.4	62
245	Development of social sustainability assessment method and a comparative case study on assessing recycled construction materials. <i>International Journal of Life Cycle Assessment</i> , <b>2018</b> , 23, 1654-1674	4.6	39
244	Using Neural Networks to Determine the Significance of Aggregate Characteristics Affecting the Mechanical Properties of Recycled Aggregate Concrete. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2171	2.6	7
243	Contrasting Roles of Maleic Acid in Controlling Kinetics and Selectivity of Sn(IV)- and Cr(III)-Catalyzed Hydroxymethylfurfural Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 14264-14274	8.3	21
242	Limitations and quality upgrading techniques for utilization of MSW incineration bottom ash in engineering applications [A review]. <i>Construction and Building Materials</i> , <b>2018</b> , 190, 1091-1102	6.7	38
241	Selective Glucose Isomerization to Fructose via a Nitrogen-doped Solid Base Catalyst Derived from Spent Coffee Grounds. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 16113-16120	8.3	58
240	Promoting food waste recycling in the commercial and industrial sector by extending the Theory of Planned Behaviour: A Hong Kong case study. <i>Journal of Cleaner Production</i> , <b>2018</b> , 204, 1034-1043	10.3	37
239	Pathways of conversion of nitrogen oxides by nano TiO <sub>2</sub> incorporated in cement-based materials. <i>Building and Environment</i> , <b>2018</b> , 144, 412-418	6.5	23
238	Improvement of properties of architectural mortars prepared with 100% recycled glass by CO <sub>2</sub> curing. <i>Construction and Building Materials</i> , <b>2018</b> , 179, 138-150	6.7	18
237	Characterization of C-S-H formed in coupled CO <sub>2</sub> /water cured Portland cement pastes. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2018</b> , 51, 1	3.4	12
236	Compressive strength and microstructural properties of dry-mixed geopolymer pastes synthesized from GGBS and sewage sludge ash. <i>Construction and Building Materials</i> , <b>2018</b> , 182, 597-607	6.7	44
235	Innovative solidification/stabilization of lead contaminated soil using incineration sewage sludge ash. <i>Chemosphere</i> , <b>2017</b> , 173, 143-152	8.4	56
234	Comparative LCA on using waste materials in the cement industry: A Hong Kong case study. <i>Resources, Conservation and Recycling</i> , <b>2017</b> , 120, 199-208	11.9	102

233	CO <sub>2</sub> curing and fibre reinforcement for green recycling of contaminated wood into high-performance cement-bonded particleboards. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2017</b> , 18, 107-116	7.6	34
232	Catalytic valorization of starch-rich food waste into hydroxymethylfurfural (HMF): Controlling relative kinetics for high productivity. <i>Bioresource Technology</i> , <b>2017</b> , 237, 222-230	11	99
231	Sustainable management and utilisation of concrete slurry waste: A case study in Hong Kong. <i>Waste Management</i> , <b>2017</b> , 61, 397-404	8.6	38
230	Enhancing anti-microbial properties of wood-plastic composites produced from timber and plastic wastes. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 12227-12237	5.1	11
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228	Influences of corrosion degree and corrosion morphology on the ductility of steel reinforcement. <i>Construction and Building Materials</i> , <b>2017</b> , 148, 297-306	6.7	44
227	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , <b>2017</b> , 182, 31-39	8.4	87
226	Using incinerated sewage sludge ash to improve the water resistance of magnesium oxychloride cement (MOC). <i>Construction and Building Materials</i> , <b>2017</b> , 147, 519-524	6.7	51
225	Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 679-688	10.2	77
224	Influence of Dust and Oil Accumulation on Effectiveness of Photocatalytic Concrete Surfaces. <i>Journal of Environmental Engineering, ASCE</i> , <b>2017</b> , 143, 04017040	2	9
223	Using artificial neural networks to assess the applicability of recycled aggregate classification by different specifications. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2017</b> , 50, 1	3.4	8
222	Combined use of waste glass powder and cullet in architectural mortar. <i>Cement and Concrete Composites</i> , <b>2017</b> , 82, 34-44	8.6	63
221	A comparative study on the properties of the mortar with the cathode ray tube funnel glass sand at different treatment methods. <i>Construction and Building Materials</i> , <b>2017</b> , 148, 900-909	6.7	21
220	Spent fluorescent lamp glass as a substitute for fine aggregate in cement mortar. <i>Journal of Cleaner Production</i> , <b>2017</b> , 161, 646-654	10.3	22
219	Internal curing effect of high volume furnace bottom ash (FBA) incorporation on lightweight aggregate concrete. <i>Journal of Sustainable Cement-Based Materials</i> , <b>2017</b> , 6, 366-383	3.6	9
218	Recycling of incinerated sewage sludge ash and cathode ray tube funnel glass in cement mortars. <i>Journal of Cleaner Production</i> , <b>2017</b> , 152, 142-149	10.3	37
217	Characteristics and metal leachability of incinerated sewage sludge ash and air pollution control residues from Hong Kong evaluated by different methods. <i>Waste Management</i> , <b>2017</b> , 64, 161-170	8.6	43
216	Effects of nano-particles on failure process and microstructural properties of recycled aggregate concrete. <i>Construction and Building Materials</i> , <b>2017</b> , 142, 42-50	6.7	110

215	Durability of recycled aggregate concrete prepared with carbonated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , <b>2017</b> , 84, 214-221	8.6	147
214	Improving the performance of architectural mortar containing 100% recycled glass aggregates by using SCMs. <i>Construction and Building Materials</i> , <b>2017</b> , 153, 975-985	6.7	34
213	Using glass powder to improve the durability of architectural mortar prepared with glass aggregates. <i>Materials and Design</i> , <b>2017</b> , 135, 102-111	8.1	50
212	Polar aprotic solvent-water mixture as the medium for catalytic production of hydroxymethylfurfural (HMF) from bread waste. <i>Bioresource Technology</i> , <b>2017</b> , 245, 456-462	11	50
211	Transforming wood waste into water-resistant magnesia-phosphate cement particleboard modified by alumina and red mud. <i>Journal of Cleaner Production</i> , <b>2017</b> , 168, 452-462	10.3	54
210	Photocatalytic NO <sub>x</sub> degradation of concrete surface layers intermixed and spray-coated with nano-TiO <sub>2</sub> : Influence of experimental factors. <i>Cement and Concrete Composites</i> , <b>2017</b> , 83, 279-289	8.6	53
209	Synthesis of low-temperature calcium sulfoaluminate-belite cements from industrial wastes and their hydration: Comparative studies between lignite fly ash and bottom ash. <i>Cement and Concrete Composites</i> , <b>2017</b> , 83, 10-19	8.6	36
208	Recycling contaminated sediment into eco-friendly paving blocks by a combination of binary cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , <b>2017</b> , 164, 1279-1288	10.3	50
207	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> , <b>2017</b> , 154, 791-803	6.7	80
206	Fate of metals before and after chemical extraction of incinerated sewage sludge ash. <i>Chemosphere</i> , <b>2017</b> , 186, 350-359	8.4	19
205	Comparative environmental evaluation of construction waste management through different waste sorting systems in Hong Kong. <i>Waste Management</i> , <b>2017</b> , 69, 325-335	8.6	62
204	Dynamic leaching behavior of geogenic As in soils after cement-based stabilization/solidification. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 27822-27832	5.1	12
203	Valorization of cellulosic food waste into levulinic acid catalyzed by heterogeneous Brønsted acids: Temperature and solvent effects. <i>Chemical Engineering Journal</i> , <b>2017</b> , 327, 328-335	14.7	80
202	Tracing and imaging minor water seepage of concealed PVC pipe in a reinforced concrete wall by high-frequency ground penetrating radar. <i>Construction and Building Materials</i> , <b>2017</b> , 151, 840-847	6.7	6
201	Mixture Design and Reaction Sequence for Recycling Construction Wood Waste into Rapid-Shaping Magnesia Phosphate Cement Particleboard. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 6645-6654	3.9	18
200	Empirical modelling of CO <sub>2</sub> uptake by recycled concrete aggregates under accelerated carbonation conditions. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2017</b> , 50, 1	3.4	37
199	Valorization of starchy, cellulosic, and sugary food waste into hydroxymethylfurfural by one-pot catalysis. <i>Chemosphere</i> , <b>2017</b> , 184, 1099-1107	8.4	47
198	Effect of carbonated recycled coarse aggregate on the dynamic compressive behavior of recycled aggregate concrete. <i>Construction and Building Materials</i> , <b>2017</b> , 151, 52-62	6.7	78

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196	Fresh properties of cement pastes or mortars incorporating waste glass powder and cullet. <i>Construction and Building Materials</i> , <b>2017</b> , 131, 793-799	6.7	46
195	Comparing the use of sewage sludge ash and glass powder in cement mortars. <i>Environmental Technology (United Kingdom)</i> , <b>2017</b> , 38, 1390-1398	2.6	16
194	Influence of the Quality of Recycled Aggregates on the Mechanical and Durability Properties of High Performance Concrete. <i>Waste and Biomass Valorization</i> , <b>2017</b> , 8, 1421-1432	3.2	17
193	Effects of red mud on properties of self-compacting mortar. <i>Journal of Cleaner Production</i> , <b>2016</b> , 135, 1170-1178	10.3	31
192	Effect of further water curing on compressive strength and microstructure of CO <sub>2</sub> -cured concrete. <i>Cement and Concrete Composites</i> , <b>2016</b> , 72, 80-88	8.6	65
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190	Effects of limestone powder on CaCO <sub>3</sub> precipitation in CO <sub>2</sub> cured cement pastes. <i>Cement and Concrete Composites</i> , <b>2016</b> , 72, 9-16	8.6	65
189	Carbon dioxide sequestration of concrete slurry waste and its valorisation in construction products. <i>Construction and Building Materials</i> , <b>2016</b> , 113, 664-672	6.7	59
188	Effect of curing parameters on CO <sub>2</sub> curing of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , <b>2016</b> , 71, 122-130	8.6	76
187	Dynamic compressive behavior of recycled aggregate concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2016</b> , 49, 4451-4462	3.4	27
186	Materials characteristics affecting CO <sub>2</sub> curing of concrete blocks containing recycled aggregates. <i>Cement and Concrete Composites</i> , <b>2016</b> , 67, 50-59	8.6	69
185	Innovative reuse of concrete slurry waste from ready-mixed concrete plants in construction products. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 312, 65-72	12.8	61
184	Precast architectural tiles produced by double-layer casting method. <i>Cement and Concrete Composites</i> , <b>2016</b> , 66, 73-81	8.6	3
183	Sustainability analysis of pelletized bio-fuel derived from recycled wood product wastes in Hong Kong. <i>Journal of Cleaner Production</i> , <b>2016</b> , 113, 400-410	10.3	25
182	Comparative environmental evaluation of aggregate production from recycled waste materials and virgin sources by LCA. <i>Resources, Conservation and Recycling</i> , <b>2016</b> , 109, 67-77	11.9	204
181	Assessment of mechanical properties of concrete incorporating carbonated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , <b>2016</b> , 65, 67-74	8.6	220
180	Evaluation of environmental friendliness of concrete paving eco-blocks using LCA approach. <i>International Journal of Life Cycle Assessment</i> , <b>2016</b> , 21, 70-84	4.6	47



179	Self-cleaning ability of titanium dioxide clear paint coated architectural mortar and its potential in field application. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 3583-3588	10.3	72
178	Utilization of red mud derived from bauxite in self-compacting concrete. <i>Journal of Cleaner Production</i> , <b>2016</b> , 112, 384-391	10.3	101
177	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> , <b>2016</b> , 71, 77-84	8.6	73
176	Value-added recycling of construction waste wood into noise and thermal insulating cement-bonded particleboards. <i>Construction and Building Materials</i> , <b>2016</b> , 125, 316-325	6.7	74
175	Recycling contaminated wood into eco-friendly particleboard using green cement and carbon dioxide curing. <i>Journal of Cleaner Production</i> , <b>2016</b> , 137, 861-870	10.3	80
174	Valorization of food waste into hydroxymethylfurfural: Dual role of metal ions in successive conversion steps. <i>Bioresource Technology</i> , <b>2016</b> , 219, 338-347	11	79
173	Effects of recycled glass on properties of architectural mortar before and after exposure to elevated temperatures. <i>Journal of Cleaner Production</i> , <b>2015</b> , 101, 158-164	10.3	55
172	Validation of size estimation of debonds in external wall composite finishes via passive Infrared thermography and a gradient algorithm. <i>Construction and Building Materials</i> , <b>2015</b> , 87, 113-124	6.7	18
171	Study on feasibility of reutilizing textile effluent sludge for producing concrete blocks. <i>Journal of Cleaner Production</i> , <b>2015</b> , 101, 174-179	10.3	44
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18	Leaching and Microstructural Analysis of Cement-Based Solidified Wastes. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 5038-5042	10.3	37

17	Effects of Fly Ash and Silica Fume on Interfacial Porosity of Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>1999</b> , 11, 197-205	3	56
16	The attitudes of Guangzhou citizens on waste reduction and environmental issues. <i>Resources, Conservation and Recycling</i> , <b>1999</b> , 25, 35-59	11.9	31
15	Indoor air quality investigation on commercial aircraft. <i>Indoor Air</i> , <b>1999</b> , 9, 180-7	5.4	51
14	Properties of fly ash-modified cement mortar-aggregate interfaces. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 1905-1913	10.3	80
13	The feasibility of planting on stabilized sludge-amended soil. <i>Environment International</i> , <b>1999</b> , 25, 465-472.	7.9	10
12	Recovery systems in Guangzhou and Hong Kong. <i>Resources, Conservation and Recycling</i> , <b>1998</b> , 23, 29-45	11.9	12
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10	The effect of a modified method of lime-stabilisation sewage treatment on enteric pathogens. <i>Environment International</i> , <b>1998</b> , 24, 783-788	12.9	13
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2	Fundamental behavior of recycled aggregate concrete - Overview I: Strength and deformation. <i>Magazine of Concrete Research</i> , 1-39	2	1
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