

Jianzhuang Xiao

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.

263
papers

8,022
citations

45
h-index

82
g-index

272
ext. papers

10,751
ext. citations

4.7
avg. IF

7.08
L-index

#	Paper	IF	Citations
263	Synergistic effects of three-dimensional graphene and silica fume on mechanical and chloride diffusion properties of hardened cement paste. <i>Construction and Building Materials</i> , 2022 , 316, 125756	6.7	4
262	M&S highlight: Limbachiya, et al. (2000), Use of recycled aggregate in high-strength concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	7
261	Utilization of recycled powder from construction and demolition waste 2022 , 291-301		
260	Test and theoretical prediction of chloride ion diffusion in recycled fine aggregate mortar under uniaxial compression. <i>Construction and Building Materials</i> , 2022 , 321, 126384	6.7	4
259	Mechanical and macrostructural properties of 3D printed concrete dosed with steel fibers under different loading direction. <i>Construction and Building Materials</i> , 2022 , 323, 126616	6.7	4
258	Strength and microstructure of seawater and sea sand mortar after exposure to elevated temperatures. <i>Construction and Building Materials</i> , 2022 , 322, 126451	6.7	1
257	Influence of carbonation treatment on the properties of multiple interface transition zones and recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2022 , 127, 104402	8.6	3
256	Mechanical properties and uniaxial compressive stress-strain behavior of fully recycled aggregate concrete. <i>Construction and Building Materials</i> , 2022 , 323, 126546	6.7	6
255	Experimental study on the bond behaviour between steel bars and 3D printed concrete. <i>Journal of Building Engineering</i> , 2022 , 49, 104105	5.2	0
254	Effects of extrusion parameters on properties of 3D printing concrete with coarse aggregates. <i>Construction and Building Materials</i> , 2022 , 325, 126740	6.7	4
253	Rate sensitivity analysis of structural behaviors of recycled aggregate concrete frame. <i>Journal of Building Engineering</i> , 2022 , 45, 103634	5.2	6
252	Strategies to accelerate CO2 sequestration of cement-based materials and their application prospects. <i>Construction and Building Materials</i> , 2022 , 314, 125646	6.7	10
251	Natural gravel-recycled aggregate concrete applied in rural highway pavement: Material properties and life cycle assessment. <i>Journal of Cleaner Production</i> , 2022 , 334, 130219	10.3	1
250	Shear behavior of steel reinforced recycled aggregate concrete beams after exposure to elevated temperatures. <i>Journal of Building Engineering</i> , 2022 , 48, 103953	5.2	0
249	Mechanical behavior of seawater sea-sand recycled concrete columns confined by engineered cementitious composite under eccentric compression. <i>Journal of Building Engineering</i> , 2022 , 45, 103497	5.2	2
248	Bending behaviour of steel cable reinforced 3D printed concrete in the direction perpendicular to the interfaces. <i>Cement and Concrete Composites</i> , 2022 , 125, 104313	8.6	8
247	Experimental study on carbonation behavior of seawater sea sand recycled aggregate concrete. <i>Advances in Structural Engineering</i> , 2022 , 25, 927-938	1.9	0

246	Automatic Ceiling Damage Detection in Large-Span Structures Based on Computer Vision and Deep Learning. <i>Sustainability</i> , 2022 , 14, 3275	3.6	0
245	Mechanical Behavior of Concrete Prepared with Waste Marble Powder. <i>Sustainability</i> , 2022 , 14, 4170	3.6	1
244	Long-term shrinkage and mechanical properties of fully recycled aggregate concrete: Testing and modelling. <i>Cement and Concrete Composites</i> , 2022 , 104527	8.6	3
243	Geopolymers made of recycled brick and concrete powder [A critical review]. <i>Construction and Building Materials</i> , 2022 , 330, 127232	6.7	3
242	The state-of-the-art study on durability of FRP reinforced concrete with seawater and sea sand. <i>Journal of Building Engineering</i> , 2022 , 51, 104294	5.2	2
241	Study on preparation and mechanical properties of 3D printed concrete with different aggregate combinations. <i>Journal of Building Engineering</i> , 2022 , 51, 104282	5.2	4
240	Effects of eco powders from solid waste on freeze-thaw resistance of mortar. <i>Construction and Building Materials</i> , 2022 , 333, 127405	6.7	0
239	Buildability prediction of 3D printed concrete at early-ages: A numerical study with Drucker-Prager model. <i>Additive Manufacturing</i> , 2022 , 55, 102821	6.1	0
238	Developing recycled foamed concrete for engineered material arresting system. <i>Journal of Building Engineering</i> , 2022 , 53, 104555	5.2	0
237	Unloading and reloading stress-strain relationship of recycled aggregate concrete reinforced with steel/polypropylene fibers under uniaxial low-cycle loadings. <i>Cement and Concrete Composites</i> , 2022 , 131, 104597	8.6	5
236	Effects of printing paths and recycled fines on drying shrinkage of 3D printed mortar. <i>Construction and Building Materials</i> , 2022 , 342, 128007	6.7	2
235	Combined use of recycled concrete aggregate and glass cullet in mortar: Strength, alkali expansion and chemical compositions. <i>Journal of Building Engineering</i> , 2022 , 55, 104721	5.2	0
234	Effect of recycled aggregate concrete on the seismic behavior of DfD beam-column joints under cyclic loading. <i>Advances in Structural Engineering</i> , 2021 , 24, 1709-1723	1.9	2
233	Compressive behavior and microstructure of concrete mixed with natural seawater and sea sand. <i>Frontiers of Structural and Civil Engineering</i> , 2021 , 15, 1347	2.5	1
232	Fresh properties of 3D printed mortar with recycled powder. <i>Construction and Building Materials</i> , 2021 , 309, 125186	6.7	7
231	On rheology of mortar with recycled fine aggregate for 3D printing. <i>Construction and Building Materials</i> , 2021 , 311, 125312	6.7	7
230	Study on nonlinear damping behavior of damaged recycled aggregate concrete beams. <i>Structural Concrete</i> , 2021 , 22, 1429-1444	2.6	4
229	Properties of Cementitious Materials with Recycled Aggregate and Powder Both from Clay Brick Waste. <i>Buildings</i> , 2021 , 11, 119	3.2	9

228	Reuse of construction spoil in China: Current status and future opportunities. <i>Journal of Cleaner Production</i> , 2021 , 290, 125742	10.3	7
227	The damping property of damaged recycled aggregate concrete after loading. <i>Journal of Building Engineering</i> , 2021 , 35, 102096	5.2	0
226	Relationship between internal viscous damping and stiffness of concrete material and structure. <i>Structural Concrete</i> , 2021 , 22, 1410-1428	2.6	3
225	Fresh and anisotropic-mechanical properties of 3D printable ultra-high ductile concrete with crumb rubber. <i>Composites Part B: Engineering</i> , 2021 , 211, 108639	10	17
224	Chloride transport and induced steel corrosion in recycled aggregate concrete: A review. <i>Construction and Building Materials</i> , 2021 , 282, 122547	6.7	37
223	Flexural properties of 3D printed fibre-reinforced concrete with recycled sand. <i>Construction and Building Materials</i> , 2021 , 288, 123077	6.7	17
222	Mechanical and microstructural evolution of 3D printed concrete with polyethylene fiber and recycled sand at elevated temperatures. <i>Construction and Building Materials</i> , 2021 , 293, 123524	6.7	11
221	Frequency-Dependent Damping Properties of Recycled Aggregate Concrete. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33,	3	2
220	Quantification of plastic shrinkage and cracking in mortars containing different recycled powders using digital image correlation technique. <i>Construction and Building Materials</i> , 2021 , 293, 123509	6.7	5
219	Carbon emission analyses of concretes made with recycled materials considering CO2 uptake through carbonation absorption. <i>Structural Concrete</i> , 2021 , 22, E58	2.6	10
218	Optimizing mix proportion of recycled aggregate concrete by readjusting the aggregate gradation. <i>Structural Concrete</i> , 2021 , 22, E22	2.6	4
217	Investigation on the Seismic Damage of Recycled Aggregate Concrete Frame Structure. <i>Journal of Earthquake Engineering</i> , 2021 , 25, 791-815	1.8	13
216	Environmental and economic assessment on 3D printed buildings with recycled concrete. <i>Journal of Cleaner Production</i> , 2021 , 278, 123884	10.3	50
215	Experimental study on stress-strain curves of seawater sea-sand concrete under uniaxial compression with different strain rates. <i>Advances in Structural Engineering</i> , 2021 , 24, 1124-1137	1.9	5
214	Durability of recycled aggregate thermal insulation concrete under combined flexural loading and freeze-thaw cycles. <i>Construction and Building Materials</i> , 2021 , 272, 121652	6.7	10
213	Rate-dependent damping properties of recycled aggregate concrete from creep perspective. <i>Construction and Building Materials</i> , 2021 , 273, 121691	6.7	1
212	Printability and advantages of 3D printing mortar with 100% recycled sand. <i>Construction and Building Materials</i> , 2021 , 273, 121699	6.7	16
211	Effect of moisture condition and brick content in recycled coarse aggregate on rheological properties of fresh concrete. <i>Journal of Building Engineering</i> , 2021 , 35, 102075	5.2	3

210	Finite element analysis on the anisotropic behavior of 3D printed concrete under compression and flexure. <i>Additive Manufacturing</i> , 2021 , 39, 101712	6.1	12
209	A review of 3D printed concrete: Performance requirements, testing measurements and mix design. <i>Construction and Building Materials</i> , 2021 , 273, 121745	6.7	33
208	Mechanical behaviors of GFRP tube confined recycled aggregate concrete with sea sand. <i>Advances in Structural Engineering</i> , 2021 , 24, 1196-1207	1.9	5
207	Reliability analysis of the residual moment capacity of high-strength concrete beams after elevated temperatures. <i>Structural Concrete</i> , 2021 , 22, 1586-1599	2.6	1
206	Mechanical properties of recycled aggregate concrete under compression-shear stress state. <i>Construction and Building Materials</i> , 2021 , 271, 121894	6.7	9
205	Plastic Shrinkage and Cracking Behavior of Mortar Containing Recycled Sand from Aerated Blocks and Clay Bricks. <i>Sustainability</i> , 2021 , 13, 1096	3.6	4
204	Review of recent developments in cement composites reinforced with fibers and nanomaterials. <i>Frontiers of Structural and Civil Engineering</i> , 2021 , 15, 1-19	2.5	11
203	Discrete Element Simulation Analysis of Biaxial Mechanical Properties of Concrete with Large-Size Recycled Aggregate. <i>Sustainability</i> , 2021 , 13, 7498	3.6	1
202	Study on aggregate interlock behavior of pre-cracked recycled aggregate concrete without stirrups. <i>Journal of Building Engineering</i> , 2021 , 39, 102257	5.2	2
201	Time-dependent reliability analysis of recycled aggregate concrete cover cracking induced by reinforcement corrosion. <i>Journal of Building Engineering</i> , 2021 , 39, 102320	5.2	3
200	Compound utilization of construction and industrial waste as cementitious recycled powder in mortar. <i>Resources, Conservation and Recycling</i> , 2021 , 170, 105561	11.9	19
199	Strain rate effect on compressive stress-strain curves of recycled aggregate concrete with seawater and sea sand. <i>Construction and Building Materials</i> , 2021 , 300, 124014	6.7	4
198	Uncertainty quantification for the representative volume element of geometrically monoclinic 3D printed concrete. <i>International Journal of Solids and Structures</i> , 2021 , 226-227, 111102	3.1	1
197	Large-scale 3D printing concrete technology: Current status and future opportunities. <i>Cement and Concrete Composites</i> , 2021 , 122, 104115	8.6	31
196	Probabilistic sustainability design of structural concrete components under climate change. <i>Structural Safety</i> , 2021 , 92, 102103	4.9	3
195	Influence of new-to-old concrete interface on the damping behavior of recycled aggregate concrete. <i>Structural Concrete</i> , 2021 , 22, 3109	2.6	0
194	Fiber-reinforced mortar with 100% recycled fine aggregates: A cleaner perspective on 3D printing. <i>Journal of Cleaner Production</i> , 2021 , 319, 128720	10.3	8
193	Shear behavior of reinforced recycled aggregate concrete beams after exposure to temperatures up to 600°C. <i>Engineering Structures</i> , 2021 , 244, 112756	4.7	2

192	Plastic shrinkage and cracking of 3D printed mortar with recycled sand. <i>Construction and Building Materials</i> , 2021 , 302, 124405	6.7	16
191	Time-dependent reliability analysis of recycled aggregate concrete beams. <i>Journal of Building Engineering</i> , 2021 , 43, 102659	5.2	2
190	Experimental study of the shear behaviour of concrete-grout-concrete joints. <i>Journal of Building Engineering</i> , 2021 , 43, 103095	5.2	1
189	On the mechanism of Cl ⁻ diffusion transport in self-healing concrete based on recycled coarse aggregates as microbial carriers. <i>Cement and Concrete Composites</i> , 2021 , 124, 104232	8.6	6
188	Hysteretic energy and damping variation of recycled aggregate concrete with different cyclic compression loading levels. <i>Journal of Building Engineering</i> , 2021 , 44, 102936	5.2	2
187	Microstructural characterization of 3D printed concrete. <i>Journal of Building Engineering</i> , 2021 , 44, 102948	5.2	12
186	Properties and CO ₂ -curing enhancement of cement-based materials containing various sources of waste hardened cement paste powder. <i>Journal of Building Engineering</i> , 2021 , 44, 102677	5.2	5
185	Low-Carbon and Fundamental Properties of Eco-Efficient Mortar with Recycled Powders.. <i>Materials</i> , 2021 , 14,	3.5	1
184	A Conceptual Framework for Estimating Building Embodied Carbon Based on Digital Twin Technology and Life Cycle Assessment. <i>Sustainability</i> , 2021 , 13, 13875	3.6	3
183	Drying shrinkage of mortar manufactured with recycled fine aggregate at vary initial saturation degree. <i>Construction and Building Materials</i> , 2020 , 264, 120621	6.7	8
182	Mechanical properties of recycled aggregate concrete under multiaxial compression. <i>Advances in Structural Engineering</i> , 2020 , 23, 2529-2538	1.9	4
181	Utilization of waste concrete recycling materials in self-compacting concrete. <i>Resources, Conservation and Recycling</i> , 2020 , 161, 104930	11.9	33
180	Combined use of recycled powder and recycled coarse aggregate derived from construction and demolition waste in self-compacting concrete. <i>Construction and Building Materials</i> , 2020 , 254, 119323	6.7	39
179	Seismic behavior of concrete shear walls with bolted end-plate DfD connections. <i>Engineering Structures</i> , 2020 , 214, 110610	4.7	5
178	Time-dependent flexural capacity analysis of recycled aggregate concrete beams. <i>Engineering Structures</i> , 2020 , 218, 110859	4.7	8
177	Use of recycled concrete aggregates from precast block for the production of new building blocks: An industrial scale study. <i>Resources, Conservation and Recycling</i> , 2020 , 157, 104786	11.9	39
176	Mechanical behavior of 3D printed mortar with recycled sand at early ages. <i>Construction and Building Materials</i> , 2020 , 248, 118654	6.7	36
175	Hardened properties of layered 3D printed concrete with recycled sand. <i>Cement and Concrete Composites</i> , 2020 , 113, 103724	8.6	55

174	Experimental Study of the Seismic Performance of Concrete Beam-Column Frame Joints with DfD Connections. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020036	3	8
173	Life cycle assessment of concrete structures with reuse and recycling strategies: A novel framework and case study. <i>Waste Management</i> , 2020 , 105, 268-278	8.6	42
172	Workability and mechanical properties of mortar containing recycled sand from aerated concrete blocks and sintered clay bricks. <i>Resources, Conservation and Recycling</i> , 2020 , 157, 104728	11.9	27
171	Nonlinear damping properties of recycled aggregate concrete short columns under cyclic uniaxial compression. <i>Construction and Building Materials</i> , 2020 , 246, 118445	6.7	9
170	Effect of old mortar pore structure on relative humidity response of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2020 , 247, 118600	6.7	7
169	Multi-Scale Investigation on Concrete Prepared with Recycled Aggregates from Different Parent Concrete. <i>Journal of Renewable Materials</i> , 2020 , 8, 1375-1390	2.4	3
168	Influence of recycled powder on chloride penetration resistance of green reactive powder concrete. <i>Construction and Building Materials</i> , 2020 , 251, 119049	6.7	10
167	Structural health monitoring and performance analysis of a 12-story recycled aggregate concrete structure. <i>Engineering Structures</i> , 2020 , 205, 110102	4.7	19
166	Study on the essential properties of recycled powders from construction and demolition waste. <i>Journal of Cleaner Production</i> , 2020 , 253, 119865	10.3	43
165	Incorporating recycled aggregates in self-compacting concrete: a review. <i>Journal of Sustainable Cement-Based Materials</i> , 2020 , 9, 165-189	3.6	7
164	Reclamation pathway of waste piles: A case study in Shanghai. <i>Journal of Cleaner Production</i> , 2020 , 253, 119919	10.3	4
163	Utilization potential of aerated concrete block powder and clay brick powder from C&D waste. <i>Construction and Building Materials</i> , 2020 , 238, 117721	6.7	33
162	Internal curing effect of saturated recycled fine aggregates in early-age mortar. <i>Cement and Concrete Composites</i> , 2020 , 108, 103444	8.6	20
161	Rheological properties of mortar containing recycled powders from construction and demolition wastes. <i>Construction and Building Materials</i> , 2020 , 237, 117622	6.7	44
160	3D recycled mortar printing: System development, process design, material properties and on-site printing. <i>Journal of Building Engineering</i> , 2020 , 32, 101779	5.2	31
159	Anisotropic behavior in bending of 3D printed concrete reinforced with fibers. <i>Composite Structures</i> , 2020 , 254, 112808	5.3	48
158	Experimental study on mechanical behavior of thermally damaged grouted sleeve splice under cyclic loading. <i>Structural Concrete</i> , 2020 , 21, 2494-2514	2.6	2
157	Structural Behaviour and Strength Prediction of Recycled Aggregate Concrete Beams. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 3611-3622	2.5	10

156	Mechanical behaviour of seawater sea-sand recycled coarse aggregate concrete columns under axial compressive loading. <i>Construction and Building Materials</i> , 2019 , 229, 117050	6.7	21
155	A 3D Printed Ready-Mixed Concrete Power Distribution Substation: Materials and Construction Technology. <i>Materials</i> , 2019 , 12,	3.5	39
154	A review of life cycle assessment of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2019 , 209, 115-125	6.7	91
153	Correlation between damage evolution and resistivity reaction of concrete in-filled with graphene nanoplatelets. <i>Construction and Building Materials</i> , 2019 , 208, 482-491	6.7	17
152	Structural behavior of seawater sea-sand concrete shear wall reinforced with GFRP bars. <i>Engineering Structures</i> , 2019 , 189, 458-470	4.7	41
151	Behavior of concrete beam-column frame joints with DfD connections: A simulation study with interface modelling. <i>Engineering Structures</i> , 2019 , 189, 347-358	4.7	10
150	Digital-Image-Driven Stochastic Homogenization for Recycled Aggregate Concrete Based on Material Microstructure. <i>International Journal of Computational Methods</i> , 2019 , 16, 1850104	1.1	1
149	Cyclic tests on composite plate shear walls—concrete encased before and after fire exposure. <i>Advances in Structural Engineering</i> , 2019 , 22, 54-68	1.9	2
148	Behaviors of recycled aggregate concrete-filled steel tubular columns under eccentric loadings. <i>Frontiers of Structural and Civil Engineering</i> , 2019 , 13, 628-639	2.5	19
147	Using Green Supplementary Materials to Achieve More Ductile ECC. <i>Materials</i> , 2019 , 12,	3.5	19
146	Numerical analysis of hysteretic behavior for RAC structure under earthquake loading. <i>Journal of Asian Architecture and Building Engineering</i> , 2019 , 18, 285-297	1	
145	Fracture behavior of recycled aggregate concrete under three-point bending. <i>Cement and Concrete Composites</i> , 2019 , 104, 103353	8.6	24
144	Mechanical behavior of concrete using seawater and sea-sand with recycled coarse aggregates. <i>Structural Concrete</i> , 2019 , 20, 1631-1643	2.6	21
143	Nonlinear damping and nonlinear responses of recycled aggregate concrete frames under earthquake loading. <i>Engineering Structures</i> , 2019 , 201, 109575	4.7	21
142	Current progress on nanotechnology application in recycled aggregate concrete. <i>Journal of Sustainable Cement-Based Materials</i> , 2019 , 8, 79-96	3.6	28
141	Punching shear behavior of recycled aggregate concrete slabs with and without steel fibres. <i>Frontiers of Structural and Civil Engineering</i> , 2019 , 13, 725-740	2.5	9
140	A method to determine water absorption of recycled fine aggregate in paste for design and quality control of fresh mortar. <i>Construction and Building Materials</i> , 2019 , 197, 30-41	6.7	14
139	Material Modeling in the Dynamic Nonlinear Analysis for Recycled Aggregate Concrete Structures. <i>Journal of Earthquake Engineering</i> , 2019 , 23, 837-862	1.8	2

138	Probabilistic Analysis of Building Fire Severity Based on Fire Load Density Models. <i>Fire Technology</i> , 2019 , 55, 1349-1375	3	6
137	Strain monitoring for a bending concrete beam by using piezoresistive cement-based sensors. <i>Construction and Building Materials</i> , 2018 , 167, 338-347	6.7	36
136	Feasibility study of strain hardening magnesium oxychloride cement-based composites. <i>Construction and Building Materials</i> , 2018 , 165, 750-760	6.7	30
135	Effect of carbonation of modeled recycled coarse aggregate on the mechanical properties of modeled recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2018 , 89, 169-180	8.6	48
134	Experimental and numerical studies on design for deconstruction concrete connections: An overview. <i>Advances in Structural Engineering</i> , 2018 , 21, 2198-2214	1.9	10
133	Mechanical properties of concrete mixed with recycled powder produced from construction and demolition waste. <i>Journal of Cleaner Production</i> , 2018 , 188, 720-731	10.3	119
132	Prediction model of carbonation depth for recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2018 , 88, 86-99	8.6	45
131	Study on high-performance concrete at high temperatures in China (2004-2016) - An updated overview. <i>Fire Safety Journal</i> , 2018 , 95, 11-24	3.3	37
130	Three-scale stochastic homogenization of elastic recycled aggregate concrete based on nano-indentation digital images. <i>Frontiers of Structural and Civil Engineering</i> , 2018 , 12, 461-473	2.5	4
129	Variability of stress-strain relationship for recycled aggregate concrete under uniaxial compression loading. <i>Journal of Cleaner Production</i> , 2018 , 181, 753-771	10.3	70
128	Evaluation of the stress-strain behavior of confined recycled aggregate concrete under monotonic dynamic loadings. <i>Cement and Concrete Composites</i> , 2018 , 87, 149-163	8.6	26
127	Multiscale digital-image driven stochastic finite element modeling of chloride diffusion in recycled aggregate concrete. <i>Construction and Building Materials</i> , 2018 , 162, 239-252	6.7	11
126	The effect of microscopic cracks on chloride diffusivity of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2018 , 170, 326-346	6.7	18
125	The Multiscale Spectral Stochastic Finite Element Method for Chloride Diffusion in Recycled Aggregate Concrete. <i>International Journal of Computational Methods</i> , 2018 , 15, 1750078	1.1	4
124	Simulation study on the shear transfer behavior of recycled aggregate concrete. <i>Structural Concrete</i> , 2018 , 19, 255-268	2.6	10
123	Time-dependent reliability analysis on carbonation behavior of recycled aggregate concrete based on gamma process. <i>Construction and Building Materials</i> , 2018 , 158, 378-388	6.7	19
122	Energy implications of using steel-timber composite (STC) elements in buildings. <i>Energy and Buildings</i> , 2018 , 176, 203-215	7	30
121	A recycled aggregate concrete high-rise building: Structural performance and embodied carbon footprint. <i>Journal of Cleaner Production</i> , 2018 , 199, 868-881	10.3	84

120	Minimizing cutting wastes of reinforcing steel bars through optimizing lap splicing within reinforced concrete elements. <i>Construction and Building Materials</i> , 2018 , 185, 600-608	6.7	11
119	Effect of recycled coarse aggregate to damping variation of concrete. <i>Construction and Building Materials</i> , 2018 , 178, 445-452	6.7	22
118	Recycled Aggregate Concrete Structures. <i>Springer Tracts in Civil Engineering</i> , 2018 ,	0.4	35
117	The effect of micro-structural uncertainties of recycled aggregate concrete on its global stochastic properties via finite pixel-element Monte Carlo simulation. <i>Frontiers of Structural and Civil Engineering</i> , 2018 , 12, 474-489	2.5	2
116	Seismic Performance of Recycled Aggregate Concrete Structures. <i>Springer Tracts in Civil Engineering</i> , 2018 , 433-524	0.4	
115	Constitutive Relationship of Recycled Aggregate Concrete. <i>Springer Tracts in Civil Engineering</i> , 2018 , 167-249	0.4	
114	Structural Behavior of Recycled Aggregate Concrete Elements. <i>Springer Tracts in Civil Engineering</i> , 2018 , 321-393	0.4	
113	Seismic Performance of Recycled Aggregate Concrete Columns. <i>Springer Tracts in Civil Engineering</i> , 2018 , 395-431	0.4	
112	Seismic Performance of Recycled Aggregate Concrete Block Structures. <i>Springer Tracts in Civil Engineering</i> , 2018 , 525-568	0.4	
111	Products and Constructions with Recycled Aggregate Concrete. <i>Springer Tracts in Civil Engineering</i> , 2018 , 569-610	0.4	2
110	Guidelines for Recycled Aggregate Concrete Materials and Structures. <i>Springer Tracts in Civil Engineering</i> , 2018 , 611-632	0.4	
109	Reclaim of Waste Concrete. <i>Springer Tracts in Civil Engineering</i> , 2018 , 15-37	0.4	
108	Recycled Aggregates. <i>Springer Tracts in Civil Engineering</i> , 2018 , 39-63	0.4	1
107	Recycled Aggregate Concrete. <i>Springer Tracts in Civil Engineering</i> , 2018 , 65-98	0.4	14
106	Modeled Recycled Aggregate Concrete. <i>Springer Tracts in Civil Engineering</i> , 2018 , 99-142	0.4	
105	Strength of Recycled Aggregate Concrete. <i>Springer Tracts in Civil Engineering</i> , 2018 , 143-165	0.4	2
104	Long-Term Property of Recycled Aggregate Concrete. <i>Springer Tracts in Civil Engineering</i> , 2018 , 251-297	0.4	1
103	Bond Slip Between Recycled Aggregate Concrete and Rebars. <i>Springer Tracts in Civil Engineering</i> , 2018 , 299-319	0.4	1

102	Effects of Imposed Damage on the Capillary Water Absorption of Recycled Aggregate Concrete. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-12	1.5	9
101	Using Neural Networks to Determine the Significance of Aggregate Characteristics Affecting the Mechanical Properties of Recycled Aggregate Concrete. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2171	2.6	7
100	Carbonated recycled coarse aggregate and uniaxial compressive stress-strain relation of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2018 , 188, 956-965	6.7	57
99	Feasibility of using ultra-high ductility cementitious composites for concrete structures without steel rebar. <i>Engineering Structures</i> , 2018 , 170, 11-20	4.7	77
98	Fire Resistance and Post-fire Seismic Behavior of High Strength Concrete Shear Walls. <i>Fire Technology</i> , 2017 , 53, 65-86	3	5
97	Implementation of the Multiscale Stochastic Finite Element Method on Elliptic PDE Problems. <i>International Journal of Computational Methods</i> , 2017 , 14, 1750003	1.1	2
96	Multi-criteria selection of façade systems based on sustainability criteria. <i>Building and Environment</i> , 2017 , 121, 67-78	6.5	34
95	Using artificial neural networks to assess the applicability of recycled aggregate classification by different specifications. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017 , 50, 1	3.4	8
94	Pore structure and chloride diffusivity of recycled aggregate concrete with nano-SiO ₂ and nano-TiO ₂ . <i>Construction and Building Materials</i> , 2017 , 150, 49-55	6.7	68
93	Experimental study on behavior of mortar-aggregate interface after elevated temperatures. <i>Frontiers of Structural and Civil Engineering</i> , 2017 , 11, 158-168	2.5	9
92	Contact behavior between cracked surfaces of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2017 , 155, 1168-1178	6.7	8
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