List of Publications by Year in descending order

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		22153	27406
212	12,683	59	106
papers	citations	h-index	g-index
213	213	213	4526
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Mechanical properties of recycled aggregate concrete under uniaxial loading. Cement and Concrete Research, 2005, 35, 1187-1194.	11.0	837
2	An overview of study on recycled aggregate concrete in China (1996–2011). Construction and Building Materials, 2012, 31, 364-383.	7.2	789
3	Use of sea-sand and seawater in concrete construction: Current status and future opportunities. Construction and Building Materials, 2017, 155, 1101-1111.	7.2	513
4	Properties of interfacial transition zones in recycled aggregate concrete tested by nanoindentation. Cement and Concrete Composites, 2013, 37, 276-292.	10.7	429
5	Properties of recycled aggregate concrete made with recycled aggregates with different amounts of old adhered mortars. Materials & Design, 2014, 58, 19-29.	5.1	381
6	Prediction of compressive strength of recycled aggregate concrete using artificial neural networks. Construction and Building Materials, 2013, 40, 1200-1206.	7.2	325
7	Mechanical properties of concrete mixed with recycled powder produced from construction and demolition waste. Journal of Cleaner Production, 2018, 188, 720-731.	9.3	267
8	Effects of interfacial transition zones on the stress–strain behavior of modeled recycled aggregate concrete. Cement and Concrete Research, 2013, 52, 82-99.	11.0	257
9	Utilization of CO2 curing to enhance the properties of recycled aggregate and prepared concrete: A review. Cement and Concrete Composites, 2020, 105, 103446.	10.7	241
10	Compressive behaviour of recycled aggregate concrete under impact loading. Cement and Concrete Research, 2015, 71, 46-55.	11.0	223
11	On residual strength of high-performance concrete with and without polypropylene fibres at elevated temperatures. Fire Safety Journal, 2006, 41, 115-121.	3.1	214
12	A closed-loop life cycle assessment of recycled aggregate concrete utilization in China. Waste Management, 2016, 56, 367-375.	7.4	206
13	Estimation of building-related construction and demolition waste in Shanghai. Waste Management, 2014, 34, 2327-2334.	7.4	192
14	Recent studies on mechanical properties of recycled aggregate concrete in China—A review. Science China Technological Sciences, 2012, 55, 1463-1480.	4.0	177
15	Using artificial neural networks for predicting the elastic modulus of recycled aggregate concrete. Construction and Building Materials, 2013, 44, 524-532.	7.2	161
16	Seismic performance of frame structures with recycled aggregate concrete. Engineering Structures, 2006, 28, 1-8.	5.3	160
17	Large-scale 3D printing concrete technology: Current status and future opportunities. Cement and Concrete Composites, 2021, 122, 104115.	10.7	157
18	A recycled aggregate concrete high-rise building: Structural performance and embodied carbon footprint. Journal of Cleaner Production, 2018, 199, 868-881.	9.3	147

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19	Hardened properties of layered 3D printed concrete with recycled sand. Cement and Concrete Composites, 2020, 113, 103724.	10.7	146
20	Environmental and economic assessment on 3D printed buildings with recycled concrete. Journal of Cleaner Production, 2021, 278, 123884.	9.3	136
21	Pore structure and chloride diffusivity of recycled aggregate concrete with nano-SiO2 and nano-TiO2. Construction and Building Materials, 2017, 150, 49-55.	7.2	133
22	Feasibility of using ultra-high ductility cementitious composites for concrete structures without steel rebar. Engineering Structures, 2018, 170, 11-20.	5.3	128
23	Variability of stress-strain relationship for recycled aggregate concrete under uniaxial compression loading. Journal of Cleaner Production, 2018, 181, 753-771.	9.3	123
24	A review of 3D printed concrete: Performance requirements, testing measurements and mix design. Construction and Building Materials, 2021, 273, 121745.	7.2	122
25	Study on the essential properties of recycled powders from construction and demolition waste. Journal of Cleaner Production, 2020, 253, 119865.	9.3	121
26	Combined use of recycled powder and recycled coarse aggregate derived from construction and demolition waste in self-compacting concrete. Construction and Building Materials, 2020, 254, 119323.	7.2	120
27	Effect of carbonated recycled coarse aggregate on the dynamic compressive behavior of recycled aggregate concrete. Construction and Building Materials, 2017, 151, 52-62.	7.2	119
28	Carbonated recycled coarse aggregate and uniaxial compressive stress-strain relation of recycled aggregate concrete. Construction and Building Materials, 2018, 188, 956-965.	7.2	118
29	Anisotropic behavior in bending of 3D printed concrete reinforced with fibers. Composite Structures, 2020, 254, 112808.	5.8	118
30	Estimation and Minimization of Embodied Carbon of Buildings: A Review. Buildings, 2017, 7, 5.	3.1	114
31	Chloride permeability and the caused steel corrosion in the concrete with carbonated recycled aggregate. Construction and Building Materials, 2019, 218, 506-518.	7.2	109
32	Failure processes of modeled recycled aggregate concrete under uniaxial compression. Cement and Concrete Composites, 2012, 34, 1149-1158.	10.7	105
33	Reclamation chain of waste concrete: A case study of Shanghai. Waste Management, 2016, 48, 334-343.	7.4	102
34	Combined use of waste glass powder and cullet in architectural mortar. Cement and Concrete Composites, 2017, 82, 34-44.	10.7	102
35	Rheological properties of mortar containing recycled powders from construction and demolition wastes. Construction and Building Materials, 2020, 237, 117622.	7.2	100
36	Utilization potential of aerated concrete block powder and clay brick powder from C&D waste. Construction and Building Materials, 2020, 238, 117721.	7.2	96

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37	Mechanical behavior of 3D printed mortar with recycled sand at early ages. Construction and Building Materials, 2020, 248, 118654.	7.2	96
38	Life cycle assessment of concrete structures with reuse and recycling strategies: A novel framework and case study. Waste Management, 2020, 105, 268-278.	7.4	95
39	Mechanical properties and uniaxial compressive stress-strain behavior of fully recycled aggregate concrete. Construction and Building Materials, 2022, 323, 126546.	7.2	94
40	Durability of Recycled Aggregate Concrete: An Overview. Journal of Advanced Concrete Technology, 2013, 11, 347-359.	1.8	85
41	Effects of active waste powder obtained from C&D waste on the microproperties and water permeability of concrete. Journal of Cleaner Production, 2020, 257, 120518.	9.3	82
42	Investigation on building waste and reclaim in Wenchuan earthquake disaster area. Resources, Conservation and Recycling, 2012, 61, 109-117.	10.8	81
43	Long-term shrinkage and mechanical properties of fully recycled aggregate concrete: Testing and modelling. Cement and Concrete Composites, 2022, 130, 104527.	10.7	81
44	Utilization of waste concrete recycling materials in self-compacting concrete. Resources, Conservation and Recycling, 2020, 161, 104930.	10.8	80
45	FEM simulation of chloride diffusion in modeled recycled aggregate concrete. Construction and Building Materials, 2012, 29, 12-23.	7.2	78
46	Chloride transport and induced steel corrosion in recycled aggregate concrete: A review. Construction and Building Materials, 2021, 282, 122547.	7.2	78
47	Shear transfer across a crack in recycled aggregate concrete. Cement and Concrete Research, 2012, 42, 700-709.	11.0	75
48	Effect of carbonation of modeled recycled coarse aggregate on the mechanical properties of modeled recycled aggregate concrete. Cement and Concrete Composites, 2018, 89, 169-180.	10.7	75
49	Fresh properties of cement pastes or mortars incorporating waste glass powder and cullet. Construction and Building Materials, 2017, 131, 793-799.	7.2	73
50	A 3D Printed Ready-Mixed Concrete Power Distribution Substation: Materials and Construction Technology. Materials, 2019, 12, 1540.	2.9	73
51	On carbonation behavior of recycled aggregate concrete. Science China Technological Sciences, 2012, 55, 2609-2616.	4.0	72
52	Interfacial properties of modeled recycled aggregate concrete modified by carbonation. Construction and Building Materials, 2016, 105, 307-320.	7.2	72
53	Effects of High Temperature and Cooling Pattern on the Chloride Permeability of Concrete. Advances in Civil Engineering, 2019, 2019, 1-13.	0.7	71
54	Effect of old attached mortar on the creep of recycled aggregate concrete. Structural Concrete, 2014, 15, 169-178.	3.1	70

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55	Chloride permeability of recycled aggregate concrete under the coupling effect of freezing-thawing, elevated temperature or mechanical damage. Construction and Building Materials, 2020, 237, 117648.	7.2	69
56	Simulation Study on the Stress Distribution in Modeled Recycled Aggregate Concrete under Uniaxial Compression. Journal of Materials in Civil Engineering, 2013, 25, 504-518.	2.9	66
57	Unloading and reloading stress-strain relationship of recycled aggregate concrete reinforced with steel/polypropylene fibers under uniaxial low-cycle loadings. Cement and Concrete Composites, 2022, 131, 104597.	10.7	65
58	The state of the art regarding the longâ€ŧerm properties of recycled aggregate concrete. Structural Concrete, 2014, 15, 3-12.	3.1	64
59	Prediction model of carbonation depth for recycled aggregate concrete. Cement and Concrete Composites, 2018, 88, 86-99.	10.7	64
60	Carbonation behavior of recycled concrete with CO2-curing recycled aggregate under various environments. Journal of CO2 Utilization, 2020, 39, 101185.	6.8	63
61	Structural behavior of seawater sea-sand concrete shear wall reinforced with GFRP bars. Engineering Structures, 2019, 189, 458-470.	5.3	59
62	Strategies to accelerate CO2 sequestration of cement-based materials and their application prospects. Construction and Building Materials, 2022, 314, 125646.	7.2	59
63	Compound utilization of construction and industrial waste as cementitious recycled powder in mortar. Resources, Conservation and Recycling, 2021, 170, 105561.	10.8	57
64	Effect of strain rate on compressive behaviour of high-strength concrete after exposure to elevated temperatures. Fire Safety Journal, 2016, 83, 25-37.	3.1	55
65	Printability and advantages of 3D printing mortar with 100% recycled sand. Construction and Building Materials, 2021, 273, 121699.	7.2	55
66	Plastic shrinkage and cracking of 3D printed mortar with recycled sand. Construction and Building Materials, 2021, 302, 124405.	7.2	55
67	On Temperature Gradients in High-Performance Concrete Box Girder under Solar Radiation. Advances in Structural Engineering, 2012, 15, 399-415.	2.4	52
68	Residual compressive and flexural strength of a recycled aggregate concrete following elevated temperatures. Structural Concrete, 2013, 14, 168-175.	3.1	52
69	3D recycled mortar printing: System development, process design, material properties and on-site printing. Journal of Building Engineering, 2020, 32, 101779.	3.4	52
70	Structural Behaviour of Composite Members with Recycled Aggregate Concrete — An Overview. Advances in Structural Engineering, 2015, 18, 919-938.	2.4	51
71	Flexural properties of 3D printed fibre-reinforced concrete with recycled sand. Construction and Building Materials, 2021, 288, 123077.	7.2	51
72	Improving the performance of architectural mortar containing 100% recycled glass aggregates by using SCMs. Construction and Building Materials, 2017, 153, 975-985.	7.2	49

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73	Fracture behavior of recycled aggregate concrete under three-point bending. Cement and Concrete Composites, 2019, 104, 103353.	10.7	49
74	Mechanical behavior of concrete using seawater and seaâ€sand with recycled coarse aggregates. Structural Concrete, 2019, 20, 1631-1643.	3.1	49
75	Rheological behavior and compressive strength of concrete made with recycled fine aggregate of different size range. Construction and Building Materials, 2021, 268, 121172.	7.2	49
76	Geopolymers made of recycled brick and concrete powder – A critical review. Construction and Building Materials, 2022, 330, 127232.	7.2	49
77	Effects of recycled aggregate combinations and recycled powder contents on fracture behavior of fully recycled aggregate concrete. Journal of Cleaner Production, 2022, 366, 132895.	9.3	48
78	Evaluation of the stress-strain behavior of confined recycled aggregate concrete under monotonic dynamic loadings. Cement and Concrete Composites, 2018, 87, 149-163.	10.7	47
79	Mechanical and macrostructural properties of 3D printed concrete dosed with steel fibers under different loading direction. Construction and Building Materials, 2022, 323, 126616.	7.2	47
80	Mechanical behaviour of seawater sea-sand recycled coarse aggregate concrete columns under axial compressive loading. Construction and Building Materials, 2019, 229, 117050.	7.2	44
81	Effect of joint interface conditions on shear transfer behavior of recycled aggregate concrete. Construction and Building Materials, 2016, 105, 343-355.	7.2	43
82	Comparative investigation on nanomechanical properties of hardened cement paste. Materials and Structures/Materiaux Et Constructions, 2016, 49, 1591-1604.	3.1	42
83	Fiber-reinforced mortar with 100% recycled fine aggregates: A cleaner perspective on 3D printing. Journal of Cleaner Production, 2021, 319, 128720.	9.3	42
84	Seismic Behavior of Recycled Aggregate Concrete Filled Steel and Glass Fiber Reinforced Plastic Tube Columns. Advances in Structural Engineering, 2014, 17, 693-707.	2.4	41
85	The damping property of recycled aggregate concrete. Construction and Building Materials, 2016, 102, 834-842.	7.2	41
86	Current progress on nanotechnology application in recycled aggregate concrete. Journal of Sustainable Cement-Based Materials, 2019, 8, 79-96.	3.1	41
87	Influence of carbonation treatment on the properties of multiple interface transition zones and recycled aggregate concrete. Cement and Concrete Composites, 2022, 127, 104402.	10.7	41
88	Using Green Supplementary Materials to Achieve More Ductile ECC. Materials, 2019, 12, 858.	2.9	40
89	Structural health monitoring and performance analysis of a 12-story recycled aggregate concrete structure. Engineering Structures, 2020, 205, 110102.	5.3	39
90	Effects of extrusion parameters on properties of 3D printing concrete with coarse aggregates. Construction and Building Materials, 2022, 325, 126740.	7.2	39

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91	Five-phase composite sphere model for chloride diffusivity prediction of recycled aggregate concrete. Magazine of Concrete Research, 2013, 65, 573-588.	2.0	36
92	Dynamic compressive behavior of recycled aggregate concrete. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4451-4462.	3.1	35
93	Experimental study on bond behavior between FRP and concrete. Construction and Building Materials, 2004, 18, 745-752.	7.2	33
94	Review of recent developments in cement composites reinforced with fibers and nanomaterials. Frontiers of Structural and Civil Engineering, 2021, 15, 1-19.	2.9	33
95	Effect of recycled coarse aggregate to damping variation of concrete. Construction and Building Materials, 2018, 178, 445-452.	7.2	31
96	Carbon emission analyses of concretes made with recycled materials considering <scp>CO₂</scp> uptake through carbonation absorption. Structural Concrete, 2021, 22, E58.	3.1	31
97	Microstructural characterization of 3D printed concrete. Journal of Building Engineering, 2021, 44, 102948.	3.4	31
98	Fresh properties of 3D printed mortar with recycled powder. Construction and Building Materials, 2021, 309, 125186.	7.2	31
99	On rheology of mortar with recycled fine aggregate for 3D printing. Construction and Building Materials, 2021, 311, 125312.	7.2	31
100	Shear transfer across a crack in high-strength concrete after elevated temperatures. Construction and Building Materials, 2014, 71, 472-483.	7.2	30
101	Behaviors of recycled aggregate concrete-filled steel tubular columns under eccentric loadings. Frontiers of Structural and Civil Engineering, 2019, 13, 628-639.	2.9	30
102	Nonlinear damping and nonlinear responses of recycled aggregate concrete frames under earthquake loading. Engineering Structures, 2019, 201, 109575.	5.3	30
103	Experimental study on the thermal performance of a 3D printed concrete prototype building. Energy and Buildings, 2021, 241, 110965.	6.7	30
104	Time-dependent reliability analysis on carbonation behavior of recycled aggregate concrete based on gamma process. Construction and Building Materials, 2018, 158, 378-388.	7.2	28
105	Earlyâ€age behavior and mechanical properties of cementâ€based materials with various types and fineness of recycled powder. Structural Concrete, 2022, 23, 1253-1272.	3.1	28
106	Properties of Cementitious Materials with Recycled Aggregate and Powder Both from Clay Brick Waste. Buildings, 2021, 11, 119.	3.1	27
107	Bending behaviour of steel cable reinforced 3D printed concrete in the direction perpendicular to the interfaces. Cement and Concrete Composites, 2022, 125, 104313.	10.7	27
108	A Conceptual Framework for Estimating Building Embodied Carbon Based on Digital Twin Technology and Life Cycle Assessment. Sustainability, 2021, 13, 13875.	3.2	25

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109	Deformation field and crack analyses of concrete using digital image correlation method. Frontiers of Structural and Civil Engineering, 2019, 13, 1183-1199.	2.9	24
110	Finite element analysis on the anisotropic behavior of 3D printed concrete under compression and flexure. Additive Manufacturing, 2021, 39, 101712.	3.0	24
111	Incorporating recycled aggregates in self-compacting concrete: a review. Journal of Sustainable Cement-Based Materials, 2020, 9, 165-189.	3.1	22
112	Influence of recycled powder on chloride penetration resistance of green reactive powder concrete. Construction and Building Materials, 2020, 251, 119049.	7.2	22
113	Test and prediction of chloride diffusion in recycled aggregate concrete. Science China Technological Sciences, 2014, 57, 2357-2370.	4.0	21
114	Effect of Stress Amplitude on the Damping of Recycled Aggregate Concrete. Materials, 2015, 8, 5298-5312.	2.9	21
115	Flexural behaviour of recycled aggregate concrete graded slabs. Structural Concrete, 2015, 16, 249-261.	3.1	21
116	Punching shear behavior of recycled aggregate concrete slabs with and without steel fibres. Frontiers of Structural and Civil Engineering, 2019, 13, 725-740.	2.9	21
117	Strain rate effect on compressive stress–strain curves of recycled aggregate concrete with seawater and sea sand. Construction and Building Materials, 2021, 300, 124014.	7.2	21
118	Analytical model for critical corrosion level of reinforcements to cause the cracking of concrete cover. Construction and Building Materials, 2019, 223, 185-197.	7.2	20
119	Experimental and numerical studies on design for deconstruction concrete connections: An overview. Advances in Structural Engineering, 2018, 21, 2198-2214.	2.4	19
120	Behaviour and Residual Strength Prediction of Recycled Aggregates Concrete Exposed to Elevated Temperatures. Arabian Journal for Science and Engineering, 2020, 45, 8241-8253.	3.0	18
121	Seismic Performance of Precast Recycled Concrete Frame Structure. ACI Structural Journal, 2015, 112, .	0.2	18
122	Shaking Table Tests on a Recycled Concrete Block Masonry Building. Advances in Structural Engineering, 2012, 15, 1843-1860.	2.4	17
123	Damage assessment for seismic response of recycled concrete filled steel tube columns. Earthquake Engineering and Engineering Vibration, 2016, 15, 607-616.	2.3	17
124	Effects of Imposed Damage on the Capillary Water Absorption of Recycled Aggregate Concrete. Advances in Materials Science and Engineering, 2018, 2018, 1-12.	1.8	17
125	Quantification of plastic shrinkage and cracking in mortars containing different recycled powders using digital image correlation technique. Construction and Building Materials, 2021, 293, 123509.	7.2	17
126	M&S highlight: Limbachiya, et al. (2000), Use of recycled aggregate in high-strength concrete. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	3.1	17

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127	Review of studies on structural performance of recycled aggregate concrete in China. Science China Technological Sciences, 2012, 55, 2727-2739.	4.0	16
128	Research on recycled concrete and its utilization in building structures in China. Frontiers of Structural and Civil Engineering, 2013, 7, 215-226.	2.9	16
129	On creep characteristics of cement paste, mortar and recycled aggregate concrete. European Journal of Environmental and Civil Engineering, 2015, 19, 1234-1252.	2.1	16
130	Simulation study on the shear transfer behavior of recycled aggregate concrete. Structural Concrete, 2018, 19, 255-268.	3.1	16
131	Experimental Study of the Seismic Performance of Concrete Beam-Column Frame Joints with DfD Connections. Journal of Structural Engineering, 2020, 146, .	3.4	16
132	Investigation on the Seismic Damage of Recycled Aggregate Concrete Frame Structure. Journal of Earthquake Engineering, 2021, 25, 791-815.	2.5	16
133	Fundamental behaviour of recycled aggregate concrete – overview I: strength and deformation. Magazine of Concrete Research, 2022, 74, 999-1010.	2.0	16
134	Study on preparation and mechanical properties of 3D printed concrete with different aggregate combinations. Journal of Building Engineering, 2022, 51, 104282.	3.4	16
135	Seismic Analysis on Recycled Aggregate Concrete Frame Considering Strain Rate Effect. International Journal of Concrete Structures and Materials, 2016, 10, 307-323.	3.2	15
136	Fire Resistance and Post-fire Seismic Behavior of High Strength Concrete Shear Walls. Fire Technology, 2017, 53, 65-86.	3.0	15
137	Using artificial neural networks to assess the applicability of recycled aggregate classification by different specifications. Materials and Structures/Materiaux Et Constructions, 2017, 50, 1.	3.1	15
138	Shake Table Test on Seismic Response of a Precast Frame with Recycled Aggregate Concrete. Advances in Structural Engineering, 2015, 18, 1517-1534.	2.4	14
139	Evaluation of rebar corrosion in reinforced concrete under freeze-thaw environment and protection measures. Anti-Corrosion Methods and Materials, 2016, 63, 128-136.	1.5	14
140	Using Neural Networks to Determine the Significance of Aggregate Characteristics Affecting the Mechanical Properties of Recycled Aggregate Concrete. Applied Sciences (Switzerland), 2018, 8, 2171.	2.5	14
141	Study of the seismic response of a recycled aggregate concrete frame structure. Earthquake Engineering and Engineering Vibration, 2013, 12, 669-680.	2.3	13
142	Effect of Applied Loads on Water and Chloride Penetrations of Strain Hardening Cement-Based Composites. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	13
143	Experimental study on mechanical behavior of thermally damaged grouted sleeve splice under cyclic loading. Structural Concrete, 2020, 21, 2494-2514.	3.1	13
144	Improvement on the properties of waste glass mortar with nanomaterials. Construction and Building Materials, 2020, 254, 118973.	7.2	13

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145	Time-dependent flexural capacity analysis of recycled aggregate concrete beams. Engineering Structures, 2020, 218, 110859.	5.3	13
146	Effects of eco powders from solid waste on freeze-thaw resistance of mortar. Construction and Building Materials, 2022, 333, 127405.	7.2	13
147	Influence of freeze-thaw cycles on properties of Integral Water Repellent Concrete. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 851-856.	1.0	12
148	Reliability Analysis for Flexural Capacity of Recycled Aggregate Concrete Beams. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2016, 26, 121-129.	0.8	12
149	Experimental study on behavior of mortar-aggregate interface after elevated temperatures. Frontiers of Structural and Civil Engineering, 2017, 11, 158-168.	2.9	12
150	Nonlinear damping properties of recycled aggregate concrete short columns under cyclic uniaxial compression. Construction and Building Materials, 2020, 246, 118445.	7.2	12
151	Properties and CO2-curing enhancement of cement-based materials containing various sources of waste hardened cement paste powder. Journal of Building Engineering, 2021, 44, 102677.	3.4	12
152	Experimental study on carbonation behavior of seawater sea sand recycled aggregate concrete. Advances in Structural Engineering, 2022, 25, 927-938.	2.4	12
153	The state-of-the-art study on durability of FRP reinforced concrete with seawater and sea sand. Journal of Building Engineering, 2022, 51, 104294.	3.4	12
154	Contact behavior between cracked surfaces of recycled aggregate concrete. Construction and Building Materials, 2017, 155, 1168-1178.	7.2	11
155	Experimental study on crumb rubberised concrete (CRC) and reinforced CRC slabs under static and impact loads. Australian Journal of Structural Engineering, 2020, 21, 294-306.	1.1	11
156	Optimizing mix proportion of recycled aggregate concrete by readjusting the aggregate gradation. Structural Concrete, 2021, 22, E22.	3.1	11
157	Mechanical behaviors of GFRP tube confined recycled aggregate concrete with sea sand. Advances in Structural Engineering, 2021, 24, 1196-1207.	2.4	11
158	Rate sensitivity analysis of structural behaviors of recycled aggregate concrete frame. Journal of Building Engineering, 2022, 45, 103634.	3.4	11
159	Automatic Ceiling Damage Detection in Large-Span Structures Based on Computer Vision and Deep Learning. Sustainability, 2022, 14, 3275.	3.2	11
160	Effects of printing paths and recycled fines on drying shrinkage of 3D printed mortar. Construction and Building Materials, 2022, 342, 128007.	7.2	11
161	Probabilistic Analysis of Building Fire Severity Based on Fire Load Density Models. Fire Technology, 2019, 55, 1349-1375.	3.0	10
162	Mechanical properties of recycled aggregate concrete under multiaxial compression. Advances in Structural Engineering, 2020, 23, 2529-2538.	2.4	10

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163	Experimental study on stress-strain curves of seawater sea-sand concrete under uniaxial compression with different strain rates. Advances in Structural Engineering, 2021, 24, 1124-1137.	2.4	10
164	Frequency-Dependent Damping Properties of Recycled Aggregate Concrete. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	10
165	Influence of newâ€toâ€old concrete interface on the damping behavior of recycled aggregate concrete. Structural Concrete, 2021, 22, 3109-3122.	3.1	10
166	Effect of recycled aggregate concrete on the seismic behavior of DfD beam-column joints under cyclic loading. Advances in Structural Engineering, 2021, 24, 1709-1723.	2.4	10
167	Factors affecting the properties of recycled concrete by using neural networks. Computers and Concrete, 2014, 14, 547-561.	0.7	10
168	Low-Carbon and Fundamental Properties of Eco-Efficient Mortar with Recycled Powders. Materials, 2021, 14, 7503.	2.9	9
169	Effects of an Applied Load on the Chloride Penetration of Concrete with Recycled Aggregates and Recycled Powder. Advances in Civil Engineering, 2019, 2019, 1-15.	0.7	8
170	Effect of moisture condition and brick content in recycled coarse aggregate on rheological properties of fresh concrete. Journal of Building Engineering, 2021, 35, 102075.	3.4	8
171	Compressive behavior and microstructure of concrete mixed with natural seawater and sea sand. Frontiers of Structural and Civil Engineering, 2021, 15, 1347-1357.	2.9	8
172	Three-scale stochastic homogenization of elastic recycled aggregate concrete based on nano-indentation digital images. Frontiers of Structural and Civil Engineering, 2018, 12, 461-473.	2.9	7
173	Relationship between internal viscous damping and stiffness of concrete material and structure. Structural Concrete, 2021, 22, 1410-1428.	3.1	7
174	Time-dependent reliability analysis of recycled aggregate concrete cover cracking induced by reinforcement corrosion. Journal of Building Engineering, 2021, 39, 102320.	3.4	7
175	Time-dependent reliability analysis of recycled aggregate concrete beams. Journal of Building Engineering, 2021, 43, 102659.	3.4	7
176	Mechanical behavior of seawater sea-sand recycled concrete columns confined by engineered cementitious composite under eccentric compression. Journal of Building Engineering, 2022, 45, 103497.	3.4	7
177	Experimental study on the seismic response of braced reinforced concrete frame with irregular columns. Earthquake Engineering and Engineering Vibration, 2011, 10, 487-494.	2.3	6
178	Cyclic tests on composite plate shear walls–concrete encased before and after fire exposure. Advances in Structural Engineering, 2019, 22, 54-68.	2.4	6
179	Review of Optimization Dynamically Applied in the Construction and the Application Potential of ICT. Sustainability, 2021, 13, 5478.	3.2	6
180	Study on aggregate interlock behavior of pre-cracked recycled aggregate concrete without stirrups. Journal of Building Engineering, 2021, 39, 102257.	3.4	6

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181	Strength and microstructure of seawater and sea sand mortar after exposure to elevated temperatures. Construction and Building Materials, 2022, 322, 126451.	7.2	6
182	Buildability prediction of 3D–printed concrete at early-ages: A numerical study with Drucker–Prager model. Additive Manufacturing, 2022, 55, 102821.	3.0	6
183	Developing recycled foamed concrete for engineered material arresting system. Journal of Building Engineering, 2022, 53, 104555.	3.4	6
184	Reliability analysis of the residual moment capacity of highâ€strength concrete beams after elevated temperatures. Structural Concrete, 2021, 22, 1586-1599.	3.1	5
185	Dynamic Damage Analysis of Recycled Aggregate Concrete Structures. Journal of Earthquake Engineering, 2022, 26, 6063-6081.	2.5	5
186	Experimental study on the bond behaviour between steel bars and 3D printed concrete. Journal of Building Engineering, 2022, 49, 104105.	3.4	5
187	Prospects for low-carbon design theory of concrete structures. Chinese Science Bulletin, 2022, 67, 3425-3438.	0.7	5
188	Quantification of the Hardened Cement Paste Content in Fine Recycled Concrete Aggregates by Means of Salicylic Acid Dissolution. Materials, 2022, 15, 3384.	2.9	5
189	Combined use of recycled concrete aggregate and glass cullet in mortar: Strength, alkali expansion and chemical compositions. Journal of Building Engineering, 2022, 55, 104721.	3.4	5
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