

Recycled aggregate from C&D waste & its use
towards sustainability in construction sector: A review

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Preliminary Studies on the Effect of C&DW on the Long-Term Properties of Sustainable Self-Compacting Concrete. , 2015, , .		2
2	Experimental Study on Thermal Conductivity of Self-Compacting Concrete with Recycled Aggregate. Materials, 2015, 8, 4457-4478.	2.9	23
3	A Conceptual Model for Designing Recycled Aggregate Concrete for Structural Applications. Springer Theses, 2015, , .	0.1	21
4	Recycling of geopolymer concrete. Construction and Building Materials, 2015, 101, 152-158.	7.2	45
5	Recycled Concrete Aggregates. Springer Theses, 2015, , 27-54.	0.1	0
6	Risk evaluation for recycled aggregate according to deleterious impurity content considering deconstruction scenarios and production methods. Resources, Conservation and Recycling, 2015, 104, 405-416.	10.8	24
7	Organic compounds in concrete from demolition works. Waste Management, 2015, 45, 186-193.	7.4	4
8	A study on the color change benefits of sustainable green building materials. Construction and Building Materials, 2015, 83, 1-6.	7.2	34
9	Mechanical performance of concrete made with aggregates from construction and demolition waste recycling plants. Journal of Cleaner Production, 2015, 99, 59-74.	9.3	331
10	Technical specifications for highway noise barriers made of coal bottom ash-based sound absorbing concrete. Construction and Building Materials, 2015, 95, 585-591.	7.2	52
11	Study of the rheology of self-compacting concrete with fine recycled concrete aggregates. Construction and Building Materials, 2015, 96, 491-501.	7.2	147
12	Performance of recycled aggregate concrete based on a new concrete recycling technology. Construction and Building Materials, 2015, 95, 243-256.	7.2	137
13	Interface shear properties of geosynthetics and construction and demolition waste from large-scale direct shear tests. Geosynthetics International, 2015, , 1-9.	2.9	4
14	A novel mix design methodology for Recycled Aggregate Concrete. Construction and Building Materials, 2016, 122, 362-372.	7.2	76
15	Development of a sustainable checklist in construction. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2016, 169, 166-180.	0.8	2
16	Mechanical and durability performance of sustainable structural concretes: An experimental study. Cement and Concrete Composites, 2016, 71, 85-96.	10.7	80
17	Mining the physical infrastructure: Opportunities, barriers and interventions in promoting structural components reuse. Science of the Total Environment, 2016, 557-558, 791-807.	8.0	102
18	Structural recycled aggregate concrete made with precast wastes. Construction and Building Materials, 2016, 114, 536-546.	7.2	85

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19	Geotechnical and Geoenvironmental Assessment of Recycled Construction and Demolition Waste for Road Embankments. <i>Procedia Engineering</i> , 2016, 143, 51-58.	1.2	38
20	Life cycle assessment (LCA) applied to the manufacturing of common and ecological concrete: A review. <i>Construction and Building Materials</i> , 2016, 124, 656-666.	7.2	165
21	A plant based LCA of high-strength prestressed concrete elements and the assessment of a practical ecological variant. <i>Cement and Concrete Composites</i> , 2016, 73, 192-202.	10.7	12
22	A Novel Conceptual Approach for Predicting the Mechanical Properties of Recycled Aggregate Concrete. <i>Applied Mechanics and Materials</i> , 0, 847, 156-165.	0.2	0
23	Hygrothermal properties of blocks based on eco-aggregates: Experimental and numerical study. <i>Construction and Building Materials</i> , 2016, 125, 279-289.	7.2	6
24	Shrinkage of recycled aggregate concrete. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016, 169, 867-891.	0.8	27
25	Interface shear properties of geosynthetics and construction and demolition waste from large-scale direct shear tests. <i>Geosynthetics International</i> , 2016, 23, 62-70.	2.9	52
26	Elastic modulus of concrete made with recycled aggregates. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2016, 169, 314-339.	0.8	19
27	Leaching of chloride, sulphate, heavy metals, dissolved organic carbon and phenolic organic pesticides from contaminated concrete. <i>Waste Management</i> , 2016, 56, 352-358.	7.4	19
28	Carbonation resistance and microstructural analysis of Low and High Volume Fly Ash Self Compacting Concrete containing Recycled Concrete Aggregates. <i>Construction and Building Materials</i> , 2016, 127, 828-842.	7.2	88
29	Bond position function between corroded reinforcement and recycled aggregate concrete using beam tests. <i>Construction and Building Materials</i> , 2016, 127, 518-526.	7.2	19
30	Carbon-conditioned recycled aggregate in concrete production. <i>Journal of Cleaner Production</i> , 2016, 133, 672-680.	9.3	142
31	A closed-loop life cycle assessment of recycled aggregate concrete utilization in China. <i>Waste Management</i> , 2016, 56, 367-375.	7.4	206
32	Experimental Evaluation of Construction Waste and Ground Granulated Blast Furnace Slag as Alternative Soil Stabilisers. <i>Geotechnical and Geological Engineering</i> , 2016, 34, 1707-1722.	1.7	35
33	Recycled Construction and Demolition Wastes as filling material for geosynthetic reinforced structures. Interface properties. <i>Journal of Cleaner Production</i> , 2016, 124, 299-311.	9.3	81
34	Innovative reuse of concrete slurry waste from ready-mixed concrete plants in construction products. <i>Journal of Hazardous Materials</i> , 2016, 312, 65-72.	12.4	89
35	Influence of recycled coarse aggregates on normal and high performance concrete subjected to elevated temperatures. <i>Construction and Building Materials</i> , 2016, 111, 368-378.	7.2	112
36	Rapid method for measuring the water absorption of recycled aggregates. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 4069-4084.	3.1	12

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38	Developments in life cycle assessment applied to evaluate the environmental performance of construction and demolition wastes. <i>Waste Management</i> , 2016, 50, 151-172.	7.4	155
39	Performance in shear of reinforced concrete slabs containing recycled concrete aggregate. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 4425-4438.	3.1	8
40	Behavior of recycled aggregate concrete-filled basalt and carbon FRP tubes. <i>Construction and Building Materials</i> , 2016, 105, 132-143.	7.2	110
41	Assessment of mechanical properties of concrete incorporating carbonated recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2016, 65, 67-74.	10.7	341
42	Analysis of flexural fatigue failure of concrete made with 100% Coarse Recycled Concrete Aggregates. <i>Construction and Building Materials</i> , 2016, 102, 782-791.	7.2	86
43	Creep strain of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2016, 102, 244-259.	7.2	61
44	Influence of hydrophilic compounds on the performance of recycled aggregate concretes. <i>Journal of Sustainable Cement-Based Materials</i> , 2017, 6, 332-344.	3.1	3
45	Producing vaterite by CO ₂ sequestration in the waste solution of chemical treatment of recycled concrete aggregates. <i>Journal of Cleaner Production</i> , 2017, 149, 735-742.	9.3	45
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49	Stress-strain relationship of coarse RCA concrete exposed to elevated temperatures. <i>Magazine of Concrete Research</i> , 2017, 69, 649-664.	2.0	42
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54	Self-compacting recycled concrete: Relationships between empirical and rheological parameters and proposal of a workability box. <i>Construction and Building Materials</i> , 2017, 143, 537-546.	7.2	38

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55	Investigation of waste ceramic tile additive in hot mix asphalt using fuzzy logic approach. Construction and Building Materials, 2017, 141, 598-607.	7.2	18
56	Self-compacting concrete with recycled concrete aggregate: Study of the long-term properties. Construction and Building Materials, 2017, 157, 582-590.	7.2	109
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60	Compressive strength and microstructure of alkali-activated mortars with high ceramic waste content. Ceramics International, 2017, 43, 13622-13634.	4.8	55
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63	Properties of recycled aggregate concrete with different water control methods. Construction and Building Materials, 2017, 152, 539-546.	7.2	54
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90	Application of coal waste in sustainable roller compacted concrete pavement-environmental and technical assessment. <i>International Journal of Pavement Engineering</i> , 2018, 19, 748-761.	4.4	39

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94	Thermal and residual mechanical profile of recycled aggregate concrete prepared with carbonated concrete aggregates after exposure to elevated temperatures. Fire and Materials, 2018, 42, 134-142.	2.0	24
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165	Bond strength between corroded steel reinforcement and recycled aggregate concrete. <i>Structures</i> , 2019, 19, 369-385.	3.6	43
166	Properties and Composition of Recycled Aggregates. , 2019, , 89-141.		9
167	Analysis on Mechanical Properties of Recycled Aggregate Concrete Members after Exposure to High Temperatures. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2057.	2.5	3
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