

Jorge de Brito

List of Publications by Citations

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656
papers

21,789
citations

75
h-index

116
g-index

697
ext. papers

26,275
ext. citations

4.7
avg, IF

8.04
L-index

#	Paper	IF	Citations
656	Mechanical behaviour of concrete made with fine recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2007 , 29, 397-401	8.6	614
655	Properties and composition of recycled aggregates from construction and demolition waste suitable for concrete production. <i>Construction and Building Materials</i> , 2014 , 65, 201-217	6.7	550
654	Durability performance of concrete made with fine recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2010 , 32, 9-14	8.6	397
653	Use of plastic waste as aggregate in cement mortar and concrete preparation: A review. <i>Construction and Building Materials</i> , 2012 , 34, 385-401	6.7	307
652	Mechanical performance of concrete made with aggregates from construction and demolition waste recycling plants. <i>Journal of Cleaner Production</i> , 2015 , 99, 59-74	10.3	260
651	Mechanical properties of concrete produced with recycled coarse aggregates [Influence of the use of superplasticizers. <i>Construction and Building Materials</i> , 2013 , 44, 101-109	6.7	246
650	Mechanical properties and abrasion behaviour of concrete containing shredded PET bottle waste as a partial substitution of natural aggregate. <i>Construction and Building Materials</i> , 2014 , 52, 236-244	6.7	225
649	Influence of the pre-saturation of recycled coarse concrete aggregates on concrete properties. <i>Magazine of Concrete Research</i> , 2011 , 63, 617-627	2	210
648	Concrete made with used tyre aggregate: durability-related performance. <i>Journal of Cleaner Production</i> , 2012 , 25, 42-50	10.3	209
647	Mechanical behaviour of non-structural concrete made with recycled ceramic aggregates. <i>Cement and Concrete Composites</i> , 2005 , 27, 429-433	8.6	208
646	The influence of curing conditions on the mechanical performance of concrete made with recycled concrete waste. <i>Cement and Concrete Composites</i> , 2011 , 33, 637-643	8.6	204
645	Establishing a relationship between modulus of elasticity and compressive strength of recycled aggregate concrete. <i>Journal of Cleaner Production</i> , 2016 , 112, 2171-2186	10.3	190
644	Evaluation of the durability of concrete made with crushed glass aggregates. <i>Journal of Cleaner Production</i> , 2013 , 41, 7-14	10.3	184
643	Carbonation behaviour of recycled aggregate concrete. <i>Cement and Concrete Composites</i> , 2015 , 62, 22-38.6		181
642	The effect of superplasticisers on the workability and compressive strength of concrete made with fine recycled concrete aggregates. <i>Construction and Building Materials</i> , 2012 , 28, 722-729	6.7	181
641	Durability performance of concrete with recycled aggregates from construction and demolition waste plants. <i>Construction and Building Materials</i> , 2015 , 77, 357-369	6.7	179
640	Influence of the use of recycled concrete aggregates from different sources on structural concrete. <i>Construction and Building Materials</i> , 2014 , 71, 141-151	6.7	178

639	Structural concrete with incorporation of coarse recycled concrete and ceramic aggregates: durability performance. <i>Materials and Structures/Materiaux Et Constructions</i> , 2009 , 42, 663-675	3.4	172
638	The influence of the use of recycled aggregates on the compressive strength of concrete: a review. <i>European Journal of Environmental and Civil Engineering</i> , 2015 , 19, 825-849	1.5	163
637	Economic viability analysis of a construction and demolition waste recycling plant in Portugal (part I: location, materials, technology and economic analysis. <i>Journal of Cleaner Production</i> , 2013 , 39, 338-352 ^{10.3}	10.3	154
636	The effect of superplasticizers on the mechanical performance of concrete made with fine recycled concrete aggregates. <i>Cement and Concrete Composites</i> , 2012 , 34, 1044-1052	8.6	152
635	Comparative environmental life cycle assessment of thermal insulation materials of buildings. <i>Energy and Buildings</i> , 2014 , 82, 466-481	7	150
634	Use of recycled aggregates from construction and demolition waste in geotechnical applications: A literature review. <i>Waste Management</i> , 2016 , 49, 131-145	8.6	149
633	Effects on concrete durability of using recycled ceramic aggregates. <i>Materials and Structures/Materiaux Et Constructions</i> , 2006 , 39, 169-177	3.4	147
632	Effect of incorporation of high volume of recycled concrete aggregates and fly ash on the strength and global warming potential of concrete. <i>Journal of Cleaner Production</i> , 2017 , 166, 485-502	10.3	146
631	Concrete with fine recycled aggregates: a review. <i>European Journal of Environmental and Civil Engineering</i> , 2014 , 18, 129-172	1.5	146
630	Influence of construction and demolition waste management on the environmental impact of buildings. <i>Waste Management</i> , 2012 , 32, 532-41	8.6	145
629	Influence of water-reducing admixtures on the mechanical performance of recycled concrete. <i>Journal of Cleaner Production</i> , 2013 , 59, 93-98	10.3	140
628	Freeze-thaw resistance of concrete produced with fine recycled concrete aggregates. <i>Journal of Cleaner Production</i> , 2016 , 115, 294-306	10.3	138
627	Physical, chemical and mineralogical properties of fine recycled aggregates made from concrete waste. <i>Construction and Building Materials</i> , 2015 , 86, 178-188	6.7	137
626	Physical-chemical and mineralogical characterization of fine aggregates from construction and demolition waste recycling plants. <i>Journal of Cleaner Production</i> , 2013 , 52, 438-445	10.3	133
625	Post-fire residual mechanical properties of concrete made with recycled concrete coarse aggregates. <i>Cement and Concrete Research</i> , 2011 , 41, 533-541	10.3	133
624	Use of fine recycled aggregates from ceramic waste in masonry mortar manufacturing. <i>Construction and Building Materials</i> , 2013 , 40, 679-690	6.7	122
623	Tensile strength behaviour of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2015 , 83, 108-118	6.7	121
622	Structural, material, mechanical and durability properties and behaviour of recycled aggregates concrete. <i>Journal of Building Engineering</i> , 2016 , 6, 1-16	5.2	121

621	Influence of curing conditions on the mechanical performance of concrete containing recycled plastic aggregate. <i>Construction and Building Materials</i> , 2012 , 36, 196-204	6.7	121
620	Use of coarse recycled aggregates from precast concrete rejects: Mechanical and durability performance. <i>Construction and Building Materials</i> , 2014 , 71, 263-272	6.7	120
619	Structural concrete with simultaneous incorporation of fine and coarse recycled concrete aggregates: Mechanical, durability and long-term properties. <i>Construction and Building Materials</i> , 2017 , 154, 294-309	6.7	120
618	Use of recycled aggregates arising from construction and demolition waste in new construction applications. <i>Journal of Cleaner Production</i> , 2019 , 236, 117629	10.3	119
617	Availability and processing of recycled aggregates within the construction and demolition supply chain: A review. <i>Journal of Cleaner Production</i> , 2017 , 143, 598-614	10.3	118
616	Compared environmental and economic impact from cradle to gate of concrete with natural and recycled coarse aggregates. <i>Journal of Cleaner Production</i> , 2017 , 162, 529-543	10.3	116
615	Water absorption and electrical resistivity of concrete with recycled concrete aggregates and fly ash. <i>Cement and Concrete Composites</i> , 2019 , 95, 169-182	8.6	116
614	An overview on concrete carbonation in the context of eco-efficient construction: Evaluation, use of SCMs and/or RAC. <i>Construction and Building Materials</i> , 2012 , 36, 141-150	6.7	115
613	Mechanical properties of structural concrete with fine recycled ceramic aggregates. <i>Construction and Building Materials</i> , 2014 , 64, 103-113	6.7	112
612	Rheological behaviour of concrete made with fine recycled concrete aggregates – Influence of the superplasticizer. <i>Construction and Building Materials</i> , 2015 , 89, 36-47	6.7	110
611	Construction and demolition waste indicators. <i>Waste Management and Research</i> , 2013 , 31, 241-55	4	108
610	A systematic approach for maintenance budgeting of buildings façades based on predictive and preventive strategies. <i>Construction and Building Materials</i> , 2010 , 24, 1718-1729	6.7	107
609	Performance of concrete made with aggregates recycled from precasting industry waste: influence of the crushing process. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 3965-3978	3.4	106
608	Study of the rheology of self-compacting concrete with fine recycled concrete aggregates. <i>Construction and Building Materials</i> , 2015 , 96, 491-501	6.7	104
607	Durability-related performance of concrete containing fine recycled aggregates from crushed bricks and sanitary ware. <i>Materials and Design</i> , 2016 , 90, 767-776	8.1	102
606	Influence of curing conditions on the durability-related performance of concrete made with selected plastic waste aggregates. <i>Cement and Concrete Composites</i> , 2013 , 35, 23-31	8.6	100
605	Incorporation of fine ceramics in mortars. <i>Construction and Building Materials</i> , 2009 , 23, 556-564	6.7	100
604	Evaluation of high-performance concrete with recycled aggregates: Use of densified silica fume as cement replacement. <i>Construction and Building Materials</i> , 2017 , 147, 803-814	6.7	97

603	Incorporation of fine concrete aggregates in mortars. <i>Construction and Building Materials</i> , 2012 , 36, 960-968	1.5	97
602	Waste polyethylene terephthalate as an aggregate in concrete. <i>Materials Research</i> , 2013 , 16, 341-350	1.5	97
601	Durability performance of concrete incorporating coarse aggregates from marble industry waste. <i>Journal of Cleaner Production</i> , 2014 , 65, 389-396	10.3	96
600	Experimental investigation on the variability of the main mechanical properties of concrete produced with coarse recycled concrete aggregates. <i>Construction and Building Materials</i> , 2019 , 201, 110-120	6.7	96
599	Review on concrete nanotechnology. <i>European Journal of Environmental and Civil Engineering</i> , 2016 , 20, 455-485	1.5	95
598	Prediction of the shrinkage behavior of recycled aggregate concrete: A review. <i>Construction and Building Materials</i> , 2015 , 77, 327-339	6.7	94
597	Fresh-state performance of recycled aggregate concrete: A review. <i>Construction and Building Materials</i> , 2018 , 178, 19-31	6.7	90
596	Life cycle assessment of concrete made with high volume of recycled concrete aggregates and fly ash. <i>Resources, Conservation and Recycling</i> , 2018 , 139, 407-417	11.9	89
595	Using fine recycled concrete aggregate for mortar production. <i>Materials Research</i> , 2014 , 17, 168-177	1.5	88
594	Durability performance of structural concrete containing silica fume and marble industry waste powder. <i>Journal of Cleaner Production</i> , 2018 , 170, 42-60	10.3	87
593	Environmental impacts and benefits of the end-of-life of building materials [Calculation rules, results and contribution to a "cradle to cradle" life cycle. <i>Journal of Cleaner Production</i> , 2014 , 66, 37-45	10.3	86
592	Performance of cementitious renderings and masonry mortars containing recycled aggregates from construction and demolition wastes. <i>Construction and Building Materials</i> , 2016 , 105, 400-415	6.7	84
591	Self-compacting concrete with recycled aggregates [A literature review. <i>Journal of Building Engineering</i> , 2019 , 22, 349-371	5.2	84
590	Ceramic tiling inspection system. <i>Construction and Building Materials</i> , 2009 , 23, 653-668	6.7	82
589	Maximum feasible use of recycled sand from construction and demolition waste for eco-mortar production [Part-I: ceramic masonry waste. <i>Journal of Cleaner Production</i> , 2015 , 87, 692-706	10.3	81
588	Recycled Red-Clay Ceramic Construction and Demolition Waste for Mortars Production. <i>Journal of Materials in Civil Engineering</i> , 2010 , 22, 236-244	3	81
587	Environmental analysis of a construction and demolition waste recycling plant in Portugal--Part I: energy consumption and CO2 emissions. <i>Waste Management</i> , 2013 , 33, 1258-67	8.6	80
586	Recycled aggregate concrete (RAC) [Comparative analysis of existing specifications. <i>Magazine of Concrete Research</i> , 2010 , 62, 339-346	2	80

585	Economic analysis of conventional versus selective demolition: A case study. <i>Resources, Conservation and Recycling</i> , 2011 , 55, 382-392	11.9	80
584	Quantifying environmental effects on cement-rendered facades: A comparison between different degradation indicators. <i>Building and Environment</i> , 2008 , 43, 1818-1828	6.5	79
583	Environmental life cycle assessment of coarse natural and recycled aggregates for concrete. <i>European Journal of Environmental and Civil Engineering</i> , 2018 , 22, 429-449	1.5	77
582	Physico-mechanical and performance characterization of mortars incorporating fine glass waste aggregate. <i>Cement and Concrete Composites</i> , 2014 , 50, 47-59	8.6	77
581	Durability performance of structural concrete containing fine aggregates from waste generated by marble quarrying industry. <i>Engineering Structures</i> , 2014 , 59, 654-662	4.7	74
580	Mechanical properties of structural concrete containing very fine aggregates from marble cutting sludge. <i>Construction and Building Materials</i> , 2015 , 77, 349-356	6.7	73
579	Durability of Concrete with Recycled Coarse Aggregates: Influence of Superplasticizers. <i>Journal of Materials in Civil Engineering</i> , 2014 , 26, 06014011	3	73
578	Statistical analysis of the carbonation coefficient in open air concrete structures. <i>Construction and Building Materials</i> , 2012 , 29, 263-269	6.7	73
577	Mechanical characterization of high performance concrete prepared with recycled aggregates and silica fume from precast industry. <i>Journal of Cleaner Production</i> , 2017 , 164, 939-949	10.3	73
576	Stains in facades rendering: Diagnosis and maintenance techniques classification. <i>Construction and Building Materials</i> , 2008 , 22, 211-221	6.7	72
575	Combined influence of recycled concrete aggregates and high contents of fly ash on concrete properties. <i>Construction and Building Materials</i> , 2017 , 157, 554-572	6.7	71
574	Ceramic tiling in building facades: Inspection and pathological characterization using an expert system. <i>Construction and Building Materials</i> , 2011 , 25, 1560-1571	6.7	71
573	Environmental impacts of the use of bottom ashes from municipal solid waste incineration: A review. <i>Resources, Conservation and Recycling</i> , 2019 , 140, 23-35	11.9	71
572	Maintenance planning of facades in current buildings. <i>Construction and Building Materials</i> , 2017 , 147, 790-802	6.7	70
571	Use of municipal solid waste incineration bottom ashes in alkali-activated materials, ceramics and granular applications: A review. <i>Waste Management</i> , 2017 , 68, 207-220	8.6	68
570	Mechanical characterization of concrete produced with recycled lightweight expanded clay aggregate concrete. <i>Journal of Cleaner Production</i> , 2015 , 89, 187-195	10.3	67
569	The role of glass waste in the production of ceramic-based products and other applications: A review. <i>Journal of Cleaner Production</i> , 2017 , 167, 346-364	10.3	67
568	Influence of recycled aggregates and high contents of fly ash on concrete fresh properties. <i>Cement and Concrete Composites</i> , 2017 , 84, 198-213	8.6	67

567	Durability performance of high-performance concrete made with recycled aggregates, fly ash and densified silica fume. <i>Cement and Concrete Composites</i> , 2018 , 93, 63-74	8.6	67
566	Mechanical, environmental and economic performance of structural concrete containing silica fume and marble industry waste powder. <i>Construction and Building Materials</i> , 2018 , 169, 237-251	6.7	66
565	Recycled Aggregate in Concrete. <i>Green Energy and Technology</i> , 2013 ,	0.6	65
564	Seismic resistance of earth construction in Portugal. <i>Engineering Structures</i> , 2011 , 33, 932-941	4.7	65
563	High-performance concrete with recycled stone slurry. <i>Cement and Concrete Research</i> , 2007 , 37, 210-220	10.3	64
562	Tests and design of short steel tubes filled with rubberised concrete. <i>Engineering Structures</i> , 2016 , 112, 274-286	4.7	63
561	Field assessment of the relationship between natural and accelerated concrete carbonation resistance. <i>Cement and Concrete Composites</i> , 2013 , 41, 9-15	8.6	63
560	Evolution of the microstructure of lime based mortars and influence on the mechanical behaviour: The role of the aggregates. <i>Construction and Building Materials</i> , 2018 , 187, 907-922	6.7	62
559	Macro- and micro- properties of multi-recycled aggregate concrete. <i>Journal of Cleaner Production</i> , 2020 , 245, 118843	10.3	62
558	Inspection and diagnosis system of ETICS on walls. <i>Construction and Building Materials</i> , 2013 , 47, 1257-1267	6.7	61
557	Service life prediction model applied to natural stone wall claddings (directly adhered to the substrate). <i>Construction and Building Materials</i> , 2011 , 25, 3674-3684	6.7	61
556	Comparative analysis of existing prediction models on the creep behaviour of recycled aggregate concrete. <i>Engineering Structures</i> , 2015 , 100, 31-42	4.7	60
555	Experimental study of the porosity and microstructure of self-compacting concrete (SCC) with binary and ternary mixes of fly ash and limestone filler. <i>Construction and Building Materials</i> , 2015 , 86, 101-112	6.7	60
554	The influence of moisture content on the thermal conductivity of external thermal mortars. <i>Construction and Building Materials</i> , 2017 , 135, 279-286	6.7	59
553	A new method to determine the density and water absorption of fine recycled aggregates. <i>Materials Research</i> , 2013 , 16, 1045-1051	1.5	58
552	Concrete with recycled aggregates: the Portuguese experimental research. <i>Materials and Structures/Materiaux Et Constructions</i> , 2010 , 43, 35-51	3.4	58
551	Increased Durability of Concrete Made with Fine Recycled Concrete Aggregates Using Superplasticizers. <i>Materials</i> , 2016 , 9,	3.5	58
550	The past and future of sustainable concrete: A critical review and new strategies on cement-based materials. <i>Journal of Cleaner Production</i> , 2021 , 281, 123558	10.3	58

549	Shear behaviour of concrete beams with recycled aggregate and steel fibres. <i>Construction and Building Materials</i> , 2019 , 204, 809-827	6.7	57
548	Experimental study of the mechanical properties and durability of self-compacting mortars with nano materials (SiO ₂ and TiO ₂). <i>Construction and Building Materials</i> , 2015 , 96, 508-517	6.7	57
547	Statistical modelling of carbonation in reinforced concrete. <i>Cement and Concrete Composites</i> , 2014 , 50, 73-81	8.6	56
546	Current flat roof bituminous membranes waterproofing systems Inspection, diagnosis and pathology classification. <i>Construction and Building Materials</i> , 2005 , 19, 233-242	6.7	55
545	Toxicity and environmental and economic performance of fly ash and recycled concrete aggregates use in concrete: A review. <i>Heliyon</i> , 2018 , 4, e00611	3.6	53
544	ASR of mortars containing glass. <i>Construction and Building Materials</i> , 2013 , 47, 489-495	6.7	53
543	System of inspection, diagnosis and repair of external claddings of pitched roofs. <i>Construction and Building Materials</i> , 2012 , 35, 1034-1044	6.7	53
542	Inspection survey of 150 expansion joints in road bridges. <i>Engineering Structures</i> , 2009 , 31, 1077-1084	4.7	53
541	Incorporation of fine sanitary ware aggregates in coating mortars. <i>Construction and Building Materials</i> , 2015 , 83, 194-206	6.7	52
540	From the new European Standards to an environmental, energy and economic assessment of building assemblies from cradle-to-cradle (3E-C2C). <i>Energy and Buildings</i> , 2013 , 64, 199-208	7	52
539	Discussion of Criteria for Prioritization of Predictive Maintenance of Building Façades: Survey of 30 Experts. <i>Journal of Performance of Constructed Facilities</i> , 2010 , 24, 337-344	2	51
538	Durability and shrinkage of concrete with CDW as recycled aggregates: Benefits from superplasticizer incorporation and influence of CDW composition. <i>Construction and Building Materials</i> , 2018 , 168, 818-830	6.7	50
537	Portuguese sustainable construction assessment tools benchmarked with BREEAM and LEED: An energy analysis. <i>Energy and Buildings</i> , 2014 , 69, 451-463	7	50
536	Refurbishment decision support tools review Energy and life cycle as key aspects to sustainable refurbishment projects. <i>Energy Policy</i> , 2013 , 62, 1453-1460	7.2	50
535	Limit States and Service Life of Cement Renders on Façades. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 1396-1404	3	50
534	Service life estimation of cement-rendered facades. <i>Building Research and Information</i> , 2008 , 36, 44-55	4.3	50
533	Micro- and macro-porosity of dry- and saturated-state recycled aggregate concrete. <i>Journal of Cleaner Production</i> , 2019 , 211, 932-940	10.3	50
532	Mechanical and durability performance of mortars with fine recycled concrete aggregates and reactive magnesium oxide as partial cement replacement. <i>Cement and Concrete Composites</i> , 2020 , 105, 103420	8.6	50

531	Superplasticizer efficiency on the mechanical properties of recycled aggregates concrete: Influence of recycled aggregates composition and incorporation ratio. <i>Construction and Building Materials</i> , 2017 , 153, 129-138	6.7	49
530	Effect of red mud (bauxite residue) as cement replacement on the properties of self-compacting concrete incorporating various fillers. <i>Journal of Cleaner Production</i> , 2019 , 240, 118213	10.3	48
529	STATISTICAL SURVEY OF THE PATHOLOGY, DIAGNOSIS AND REHABILITATION OF ETICS IN WALLS. <i>Journal of Civil Engineering and Management</i> , 2014 , 20, 511-526	3	48
528	Prediction of Chloride Ion Penetration of Recycled Aggregate Concrete. <i>Materials Research</i> , 2015 , 18, 427-440	1.5	48
527	Economic viability analysis of a construction and demolition waste recycling plant in Portugal (part II: economic sensitivity analysis). <i>Journal of Cleaner Production</i> , 2013 , 39, 329-337	10.3	48
526	Mechanical and durability behaviour of concrete with granite waste dust as partial cement replacement under adverse exposure conditions. <i>Construction and Building Materials</i> , 2019 , 194, 143-152	6.7	48
525	Optimizing recycled concrete containing high volume of fly ash in terms of the embodied energy and chloride ion resistance. <i>Journal of Cleaner Production</i> , 2018 , 194, 735-750	10.3	48
524	Improving corrosion resistance of steel rebars in concrete with marble and granite waste dust as partial cement replacement. <i>Construction and Building Materials</i> , 2018 , 185, 110-119	6.7	47
523	Passive thermographic detection of moisture problems in façades with adhered ceramic cladding. <i>Construction and Building Materials</i> , 2014 , 51, 187-197	6.7	47
522	Punching behaviour of concrete slabs incorporating coarse recycled concrete aggregates. <i>Engineering Structures</i> , 2015 , 100, 238-248	4.7	46
521	Post-fire mechanical performance of concrete made with selected plastic waste aggregates. <i>Cement and Concrete Composites</i> , 2014 , 53, 187-199	8.6	46
520	Post-fire residual mechanical properties of concrete made with recycled rubber aggregate. <i>Fire Safety Journal</i> , 2013 , 58, 49-57	3.3	46
519	Aerogel-based renders with lightweight aggregates: Correlation between molecular/pore structure and performance. <i>Construction and Building Materials</i> , 2016 , 124, 485-495	6.7	46
518	Flexural load tests of full-scale recycled aggregates concrete structures. <i>Construction and Building Materials</i> , 2015 , 101, 65-71	6.7	45
517	Anchorage of steel rebars to recycled aggregates concrete. <i>Construction and Building Materials</i> , 2014 , 72, 113-123	6.7	45
516	Validation of an inspection and diagnosis system for anomalies in natural stone cladding (NSC). <i>Construction and Building Materials</i> , 2012 , 30, 224-236	6.7	45
515	Statistical models applied to service life prediction of rendered façades. <i>Automation in Construction</i> , 2013 , 30, 151-160	9.6	45
514	Inspection and Repair of Ceramic Tiling within a Building Management System. <i>Journal of Materials in Civil Engineering</i> , 2010 , 22, 39-48	3	45

513	Multiple recycled aggregate properties analysed by X-ray microtomography. <i>Construction and Building Materials</i> , 2018 , 166, 171-180	6.7	44
512	An Overview on the Improvement of Mechanical Properties of Ceramics Nanocomposites. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-13	3.2	44
511	Characterizing the paper industry sludge for environmentally-safe disposal. <i>Waste Management</i> , 2019 , 95, 43-52	8.6	43
510	Gypsum plaster using rock waste: A proposal to repair the renderings of historical buildings in Brazil. <i>Construction and Building Materials</i> , 2020 , 250, 118786	6.7	43
509	Service life prediction modelling of adhesive ceramic tiling systems. <i>Building Research and Information</i> , 2011 , 39, 66-78	4.3	43
508	Fine ceramics replacing cement in mortars Partial replacement of cement with fine ceramics in rendering mortars. <i>Materials and Structures/Materiaux Et Constructions</i> , 2008 , 41, 1333-1344	3.4	43
507	Mapping defect sensitivity in external mortar renders. <i>Construction and Building Materials</i> , 2005 , 19, 5716-578	6.7	43
506	NativeLCA - a systematic approach for the selection of environmental datasets as generic data: application to construction products in a national context. <i>International Journal of Life Cycle Assessment</i> , 2015 , 20, 731-750	4.6	42
505	Silica-based aerogels as aggregates for cement-based thermal renders. <i>Cement and Concrete Composites</i> , 2016 , 72, 309-318	8.6	42
504	Shear strength of recycled aggregate concrete to natural aggregate concrete interfaces. <i>Construction and Building Materials</i> , 2016 , 109, 139-145	6.7	42
503	Inspection and diagnosis system for gypsum plasters in partition walls and ceilings. <i>Construction and Building Materials</i> , 2011 , 25, 2146-2156	6.7	42
502	Generation of construction and demolition waste in Portugal. <i>Waste Management and Research</i> , 2011 , 29, 739-50	4	42
501	Quasi-quantitative infrared thermographic detection of moisture variation in facades with adhered ceramic cladding using principal component analysis. <i>Building and Environment</i> , 2015 , 94, 97-108	6.5	41
500	In situ materials characterization of full-scale recycled aggregates concrete structures. <i>Construction and Building Materials</i> , 2014 , 71, 237-245	6.7	41
499	Application of the factor method to maintenance decision support for stone cladding. <i>Automation in Construction</i> , 2012 , 22, 165-174	9.6	41
498	Design of reinforced recycled aggregate concrete elements in conformity with Eurocode 2. <i>Construction and Building Materials</i> , 2016 , 105, 144-156	6.7	40
497	The effect of multi-recycling on the mechanical performance of coarse recycled aggregates concrete. <i>Construction and Building Materials</i> , 2018 , 188, 480-489	6.7	40
496	Environmental analysis of a construction and demolition waste recycling plant in Portugal--Part II: Environmental sensitivity analysis. <i>Waste Management</i> , 2013 , 33, 147-61	8.6	40

495	Distribution of materials in construction and demolition waste in Portugal. <i>Waste Management and Research</i> , 2011 , 29, 843-53	4	40
494	Inspection and Defect Diagnosis System for Natural Stone Cladding. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 1433-1443	3	40
493	Handbook of Concrete Bridge Management 2004 ,		40
492	Destructive Horizontal Load Tests of Full-Scale Recycled-Aggregate Concrete Structures. <i>ACI Structural Journal</i> , 2015 , 112,	1.7	40
491	Compressive strength assessment of recycled aggregate concrete using Schmidt rebound hammer and core testing. <i>Construction and Building Materials</i> , 2019 , 224, 630-638	6.7	39
490	Incorporation of fine plastic aggregates in rendering mortars. <i>Construction and Building Materials</i> , 2014 , 71, 226-236	6.7	39
489	Methodologies for Service Life Prediction of Buildings. <i>Green Energy and Technology</i> , 2016 ,	0.6	39
488	Carbonation of concrete made with high amount of fly ash and recycled concrete aggregates for utilization of CO ₂ . <i>Journal of CO₂ Utilization</i> , 2019 , 29, 12-19	7.6	39
487	Modelling the degradation and service life of ETICS in external walls. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 2235-2249	3.4	38
486	The effect of polypropylene fibres on the compressive strength, impact and heat resistance of self-compacting concrete. <i>Structures</i> , 2020 , 25, 72-87	3.4	38
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484	Experimental study on short rubberized concrete-filled steel tubes under cyclic loading. <i>Composite Structures</i> , 2016 , 136, 394-404	5.3	38
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