

Jorge de Brito

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.

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	Causal Effects between Criteria That Establish the End of Service Life of Buildings and Components. <i>Buildings</i> , 2022 , 12, 88	3.2	1
655	Calculation of the environmental impact of the integration of industrial waste in concrete using LCA 2022 , 553-577		0
654	Validation of alternative methodologies by using capillarity in the determination of porosity parameters of cement-lime mortars. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022 , 55, 1	3.4	3
653	Mechanical properties of recycled aggregate concrete with bottom ash additions 2022 , 275-301		
652	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
651	Lightweight cement composites containing end-of-life treated wood [Leaching, hydration and mechanical tests. <i>Construction and Building Materials</i> , 2022 , 317, 125931	6.7	0
650	Performance Enhancement of Alkali-Activated Electric Arc Furnace Slag Mortars through an Accelerated CO ₂ Curing Process. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1662	2.6	2
649	Torsional behaviour of rectangular high-performance fibre-reinforced concrete beams. <i>Structures</i> , 2022 , 35, 511-519	3.4	3
648	Mechanical performance and autogenous and drying shrinkage of MgO-based recycled aggregate high-performance concrete. <i>Construction and Building Materials</i> , 2022 , 314, 125726	6.7	4
647	Production of Environmentally Friendly Concrete Incorporating Bauxite Residue and Silica Fume. <i>Journal of Materials in Civil Engineering</i> , 2022 , 34,	3	3
646	Building Inspection System Software Based on Expert Knowledge. <i>Journal of Performance of Constructed Facilities</i> , 2022 , 36,	2	1
645	Petrography of construction and demolition waste (CDW) from Abruzzo region (Central Italy). <i>Waste Management</i> , 2022 , 137, 61-71	8.6	1
644	The Influence of Fly Ash on the Mechanical Performance of Cementitious Materials Produced with Recycled Cement. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2257	2.6	2
643	Alkali-Activated Materials with Pre-Treated Municipal Solid Waste Incinerator Bottom Ash. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3535	2.6	1
642	Impact of the Height of Buildings on the Maintainability of Natural Stone Claddings. <i>Infrastructures</i> , 2022 , 7, 44	2.6	1
641	Shrinkage prediction of recycled aggregate structural concrete with alternative binders through partial correction coefficients. <i>Cement and Concrete Composites</i> , 2022 , 129, 104506	8.6	0
640	The effect of cork-based living walls on the energy performance of buildings and local microclimate. <i>Building and Environment</i> , 2022 , 216, 109048	6.5	1

639	Tree Based Approaches for Predicting Concrete Carbonation Coefficient. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3874	2.6	0
638	Ecotoxicity of Recycled Aggregates: Application of a Prediction Methodology. <i>Materials</i> , 2022 , 15, 3510	3.5	
637	Thermal Performance of Concrete with Reactive Magnesium Oxide as an Alternative Binder. <i>Sustainability</i> , 2022 , 14, 5885	3.6	0
636	Information Systematisation Towards Rational Building Maintenance Decisions. <i>Lecture Notes in Civil Engineering</i> , 2022 , 379-419	0.3	0
635	Impact Resistance of Rendering Mortars with Natural and Textile-Acrylic Waste Fibres. <i>Fibers</i> , 2022 , 10, 44	3.7	1
634	Insurance Policies for Condition-Based Maintenance Plans of ETICS. <i>Buildings</i> , 2022 , 12, 707	3.2	0
633	Mortars with CDW Recycled Aggregates Submitted to High Levels of CO ₂ . <i>Infrastructures</i> , 2021 , 6, 159	2.6	4
632	The Impact of Temporary Means of Access on Buildings Envelope Maintenance Costs. <i>Buildings</i> , 2021 , 11, 601	3.2	
631	Estimated service life of ordinary and high-performance reinforced recycled aggregate concrete. <i>Journal of Building Engineering</i> , 2021 , 46, 103769	5.2	3
630	Recycled Aggregates Produced from Construction and Demolition Waste for Structural Concrete: Constituents, Properties and Production. <i>Materials</i> , 2021 , 14,	3.5	7
629	Properties of Fibre-Reinforced High-Strength Concrete with Nano-Silica and Silica Fume. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9696	2.6	5
628	Influence of bond-slip on the flexural performance and ductility of steel fibres-reinforced RC beams with lap-spliced bars: Experimental and finite element analysis. <i>Engineering Structures</i> , 2021 , 249, 113362	4.7	2
627	Rheology, Hydration, and Microstructure of Portland Cement Pastes Produced with Ground AEM Fibers. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3036	2.6	21
626	Impact of Environmental Exposure Conditions on the Maintenance of Facades Claddings. <i>Buildings</i> , 2021 , 11, 138	3.2	7
625	Assessing the sustainability potential of alkali-activated concrete from electric arc furnace slag using the ECO2 framework. <i>Construction and Building Materials</i> , 2021 , 281, 122559	6.7	10
624	Assessment of the Permeability to Aggressive Agents of Concrete with Recycled Cement and Mixed Recycled Aggregate. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3856	2.6	5
623	Influence of polypropylene fibres on the thermal and acoustic behaviour of untreated coal coarse aggregates concrete. <i>Journal of Building Engineering</i> , 2021 , 36, 102125	5.2	9
622	Alkali activation of bottom ash from municipal solid waste incineration: Optimization of NaOH- and Na ₂ SiO ₃ -based activators. <i>Journal of Cleaner Production</i> , 2021 , 291, 125930	10.3	7

621	Mechanical and Durability Properties of Mortars Incorporating Red Mud, Ground Granulated Blast Furnace Slag, and Electric Arc Furnace Dust. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4110	2.6	5
620	Biaxial mechanical behaviour of polypropylene fibres reinforced self-compacting concrete. <i>Construction and Building Materials</i> , 2021 , 278, 122416	6.7	16
619	Water transport and shrinkage in concrete made with ground recycled concrete-added cement and mixed recycled aggregate. <i>Cement and Concrete Composites</i> , 2021 , 118, 103957	8.6	15
618	Influence of polypropylene fibres and silica fume on the mechanical and fracture properties of ultra-high-performance geopolymer concrete. <i>Construction and Building Materials</i> , 2021 , 283, 122753	6.7	23
617	Condition-Based Maintenance Strategies to Enhance the Durability of ETICS. <i>Sustainability</i> , 2021 , 13, 6677	3.6	3
616	Effect of different fibre types on the structural performance of recycled aggregate concrete beams with spliced bars. <i>Journal of Building Engineering</i> , 2021 , 38, 102090	5.2	13
615	Utilization of ceramic tile demolition waste as supplementary cementitious material: An early-age investigation. <i>Journal of Building Engineering</i> , 2021 , 38, 102187	5.2	11
614	Incorporation of Natural Fibres in Rendering Mortars for the Durability of Walls. <i>Infrastructures</i> , 2021 , 6, 82	2.6	1
613	Simultaneous effect of granite waste dust as partial replacement of cement and magnetized water on the properties of concrete exposed to NaCl and H ₂ SO ₄ solutions. <i>Construction and Building Materials</i> , 2021 , 288, 123064	6.7	2
612	A Review on the Performance of Concrete Containing Non-Potable Water. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6729	2.6	
611	Predicting carbonation coefficient using Artificial neural networks and genetic programming. <i>Journal of Building Engineering</i> , 2021 , 39, 102258	5.2	2
610	Restoration of ancient gypsum-based plasters: Design of compatible materials. <i>Cement and Concrete Composites</i> , 2021 , 120, 104014	8.6	6
609	Rice husk cement-based composites for acoustic barriers and thermal insulating layers. <i>Journal of Building Engineering</i> , 2021 , 39, 102297	5.2	1
608	Criteria for selection of cladding systems based on their maintainability. <i>Journal of Building Engineering</i> , 2021 , 39, 102260	5.2	7
607	The impact of imperfect maintenance actions on the degradation of buildings envelope components. <i>Journal of Building Engineering</i> , 2021 , 33, 101571	5.2	13
606	Bond behaviour of high-strength steel rebars in normal (NSC) and ultra-high performance concrete (UHPC). <i>Journal of Building Engineering</i> , 2021 , 33, 101592	5.2	12
605	Definition of a condition-based model for natural stone claddings. <i>Journal of Building Engineering</i> , 2021 , 33, 101643	5.2	16
604	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

603	Fresh properties of cement-based thermal renders with fly ash, air lime and lightweight aggregates. <i>Journal of Building Engineering</i> , 2021 , 34, 101868	5.2	5
602	Harmonising correlation matrices within a global building expert knowledge-based inspection system. <i>Construction and Building Materials</i> , 2021 , 272, 121655	6.7	3
601	Long-term analysis of the physical properties of the mixed recycled aggregate and their effect on the properties of mortars. <i>Construction and Building Materials</i> , 2021 , 274, 121796	6.7	9
600	Durability and shrinkage performance of concrete made with coarse multi-recycled concrete aggregates. <i>Construction and Building Materials</i> , 2021 , 272, 121645	6.7	19
599	Harmonized Classification of Repair Techniques in a Global Inspection System: Proposed Methodology and Analysis of Fieldwork Data. <i>Journal of Performance of Constructed Facilities</i> , 2021 , 35, 04020122	2	4
598	Improved bending behaviour of steel-fibre-reinforced recycled aggregate concrete beams with a concrete jacket. <i>Magazine of Concrete Research</i> , 2021 , 73, 608-626	2	10
597	How Long Can a Wood Flooring System Last?. <i>Buildings</i> , 2021 , 11, 23	3.2	1
596	Innovative module of expanded cork agglomerate for green vertical systems. <i>Building and Environment</i> , 2021 , 188, 107461	6.5	10
595	Reduction of the Cement Content by Incorporation of Fine Recycled Aggregates from Construction and Demolition Waste in Rendering Mortars. <i>Infrastructures</i> , 2021 , 6, 11	2.6	4
594	Active-state corrosion in recycled aggregate concrete 2021 , 545-564		
593	Physical and Mechanical Performance of Coir Fiber-Reinforced Rendering Mortars. <i>Materials</i> , 2021 , 14,	3.5	6
592	Performance of Mortars with Commercially-Available Reactive Magnesium Oxide as Alternative Binder. <i>Materials</i> , 2021 , 14,	3.5	3
591	Environmental performance of a cork-based modular living wall from a life-cycle perspective. <i>Building and Environment</i> , 2021 , 191, 107614	6.5	5
590	Fracture Behaviour of Concrete with Reactive Magnesium Oxide as Alternative Binder. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2891	2.6	4
589	Eurocode Design of Recycled Aggregate Concrete for Chloride Environments: Stochastic Modeling of Chloride Migration and Reliability-Based Calibration of Cover. <i>Crystals</i> , 2021 , 11, 284	2.3	2
588	Mortars with alkali-activated municipal solid waste incinerator bottom ash and fine recycled aggregates. <i>Journal of Cleaner Production</i> , 2021 , 289, 125707	10.3	10
587	Bond of recycled coarse aggregate concrete: Model uncertainty and reliability-based calibration of design equations. <i>Engineering Structures</i> , 2021 , 239, 112290	4.7	3
586	Flexural strength enhancement of recycled aggregate concrete beams with steel fibre-reinforced concrete jacket. <i>Engineering Structures</i> , 2021 , 240, 112325	4.7	10

585	Comparison of environmental impacts of structurally equivalent wood-based floors. <i>European Journal of Wood and Wood Products</i> , 2021 , 79, 1607	2.1	
584	Influence of magnetized water and water/cement ratio on the properties of untreated coal fine aggregates concrete. <i>Cement and Concrete Composites</i> , 2021 , 122, 104121	8.6	5
583	Environmental and Economic Life Cycle Assessment of Recycled Coarse Aggregates: A Portuguese Case Study. <i>Materials</i> , 2021 , 14,	3.5	2
582	Effect of the maturity of recycled aggregates on the mechanical properties and autogenous and drying shrinkage of high-performance concrete. <i>Construction and Building Materials</i> , 2021 , 299, 124001	6.7	5
581	Evaluation of alkali-silica reaction in recycled aggregates: The applicability of the mortar bar test. <i>Construction and Building Materials</i> , 2021 , 299, 124250	6.7	1
580	Uncertainty in Building Inspection and Diagnosis: A Probabilistic Model Quantification. <i>Infrastructures</i> , 2021 , 6, 124	2.6	2
579	Environmental datasets for cement and steel rebars to be used as generic for a national context. <i>Journal of Cleaner Production</i> , 2021 , 316, 128003	10.3	
578	Experimental Investigation on the Shear Behaviour of Stud-Bolt Connectors of Steel-Concrete-Steel Fibre-Reinforced Recycled Aggregates Sandwich Panels. <i>Materials</i> , 2021 , 14,	3.5	3
577	Effect of micro polypropylene fibres and nano TiO ₂ on the fresh- and hardened-state properties of geopolymer concrete. <i>Construction and Building Materials</i> , 2021 , 300, 124239	6.7	11
576	Degradation Assessment of Natural Stone Claddings over Their Service Life: Comparison between Tehran (Iran) and Lisbon (Portugal). <i>Buildings</i> , 2021 , 11, 438	3.2	2
575	Incorporation of high contents of textile, acrylic and glass waste fibres in cement-based mortars. Influence on mortars' fresh, mechanical and deformability behaviour. <i>Construction and Building Materials</i> , 2021 , 303, 124424	6.7	7
574	Strength optimization of cementitious composites reinforced by carbon nanotubes and Titania nanoparticles. <i>Construction and Building Materials</i> , 2021 , 303, 124510	6.7	10
573	New Model for the Lap-Splice Length of Tensile Reinforcement in Concrete Elements. <i>Journal of Structural Engineering</i> , 2021 , 147, 04021204	3	4
572	Service life of building envelopes: A critical literature review. <i>Journal of Building Engineering</i> , 2021 , 44, 102646	5.2	14
571	CO ₂ sequestration by construction and demolition waste aggregates and effect on mortars and concrete performance - An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 152, 111668	16.2	7
570	Computational modelling of the cyclic behaviour of short rubberized concrete-filled steel tubes. <i>Engineering Structures</i> , 2021 , 248, 113188	4.7	0
569	Normative review and necessary advances to promote the use of recycled aggregates and by-products in cement-based materials 2021 , 735-776		1
568	Multirecycled concrete aggregates in concrete production 2021 , 387-411		0

567	Tests and Simulation of the Bond-Slip between Steel and Concrete with Recycled Aggregates from CDW. <i>Buildings</i> , 2021 , 11, 40	3.2	3
566	Impact of Environmental Exposure on the Service Life of Façade Claddings – Statistical Analysis. <i>Buildings</i> , 2021 , 11, 615	3.2	3
565	Environmental performance of solid wood products: review of EPDs and environmentally-based structural design. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 022070	0.3	
564	Toxicity of cement-based materials. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020 , 588, 042067	0.3	2
563	Investigation of the Behaviour of Steel-Concrete-Steel Sandwich Slabs with Bi-Directional Corrugated-Strip Connectors. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8647	2.6	2
562	Maintenance Modelling of Ceramic Claddings in Pitched Roofs Based on the Evaluation of Their In Situ Degradation Condition. <i>Infrastructures</i> , 2020 , 5, 77	2.6	5
561	Methodological Proposal for the Development of Insurance Policies for Building Components. <i>CivilEng</i> , 2020 , 1, 1-9	1.7	1
560	Magnesia (MgO) Production and Characterization, and Its Influence on the Performance of Cementitious Materials: A Review. <i>Materials</i> , 2020 , 13,	3.5	19
559	Crack Width and Propagation in Recycled Coarse Aggregate Concrete Beams Reinforced with Steel Fibres. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7587	2.6	17
558	In-Service Performance of Fiber-Reinforced Polymer Constructions Used in Water and Sewage Treatment Plants. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020059	2	2
557	Rendering Mortars with Low Sand and Cement Content. Incorporation of Sanitary Ware Waste and Forest Biomass Ashes. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3146	2.6	1
556	Corrosion Performance of Steel Rebars in the Roof of a 65-Year-Old Underground Reinforced Concrete Water-Storage Tank. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020077	2	1
555	Economic and Technical Viability of Using Shotcrete with Coarse Recycled Concrete Aggregates in Deep Tunnels. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 2697	2.6	2
554	Recycling potential of powdered cigarette waste in the development of ceramic materials. <i>Journal of Material Cycles and Waste Management</i> , 2020 , 22, 1672-1681	3.4	21
553	Harmonising the classification of diagnosis methods within a global building inspection system: Proposed methodology and analysis of fieldwork data. <i>Engineering Failure Analysis</i> , 2020 , 115, 104627	3.2	6
552	A Review on Alkali-Silica Reaction Evolution in Recycled Aggregate Concrete. <i>Materials</i> , 2020 , 13,	3.5	20
551	Evaluation of the Deterioration of Ceramic Claddings by Application of Artificial Neural Networks. <i>Journal of Performance of Constructed Facilities</i> , 2020 , 34, 04020084	2	3
550	Methodological Proposal for the Development of Insurance Policies for Building Components. <i>CivilEng</i> , 2020 , 1, 1-9	1.7	

549	Effect of magnetized mixing water on the fresh and hardened state properties of steel fibre reinforced self-compacting concrete. <i>Construction and Building Materials</i> , 2020 , 248, 118660	6.7	16
548	Properties of roller-compacted concrete pavement containing waste aggregates and nano SiO ₂ . <i>Construction and Building Materials</i> , 2020 , 249, 118747	6.7	13
547	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
546	Thermal Performance of Concrete with Recycled Concrete Powder as Partial Cement Replacement and Recycled CDW Aggregate. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4540	2.6	6
545	Characterisation of a multilayer external wall thermal insulation system. Application in a Mediterranean climate. <i>Journal of Building Engineering</i> , 2020 , 30, 101265	5.2	14
544	Recycling Aggregates for Self-Compacting Concrete Production: A Feasible Option. <i>Materials</i> , 2020 , 13,	3.5	13
543	Assessment and communication of the environmental performance of construction products in Europe: Comparison between PEF and EN 15804 compliant EPD schemes. <i>Resources, Conservation and Recycling</i> , 2020 , 156, 104703	11.9	34
542	Relating carbon and energy intensity of best-performing retailers with policy, strategy and building practice. <i>Energy Efficiency</i> , 2020 , 13, 597-619	3	1
541	A comparative study of the mechanical and life cycle assessment of high-content fly ash and recycled aggregates concrete. <i>Journal of Building Engineering</i> , 2020 , 29, 101173	5.2	33
540	Energy Retrofitting of a Buildings Envelope: Assessment of the Environmental, Economic and Energy (3E) Performance of a Cork-Based Thermal Insulating Rendering Mortar. <i>Energies</i> , 2020 , 13, 143	3.1	3
539	Concrete-Based and Mixed Waste Aggregates in Rendering Mortars. <i>Materials</i> , 2020 , 13,	3.5	6
538	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
537	Effect of the source concrete with ASR degradation on the mechanical and physical properties of coarse recycled aggregate. <i>Cement and Concrete Composites</i> , 2020 , 111, 103621	8.6	10
536	Reliability of in-situ diagnosis in external wall renders. <i>Construction and Building Materials</i> , 2020 , 252, 119079	6.7	4
535	Microstructure as a critical factor of cement mortars' behaviour: The effect of aggregates' properties. <i>Cement and Concrete Composites</i> , 2020 , 111, 103628	8.6	7
534	Comparison of the environmental and structural performance of solid and glued laminated timber products based on EPDs. <i>Structures</i> , 2020 , 26, 128-138	3.4	7
533	Urgency of repair of building elements: Prediction and influencing factors in façade renders. <i>Construction and Building Materials</i> , 2020 , 249, 118743	6.7	12
532	Diagnosis Methods 2020 , 257-299		

531	Current Opportunities and Challenges in the Incorporation of the LCA Method in BIM. <i>Open Construction and Building Technology Journal</i> , 2020 , 14, 336-349	1.1	1
530	Repair Techniques 2020 , 301-355		1
529	Buildings Management 2020 , 1-13		1
528	Inspection, diagnosis and rehabilitation system for all-fibre-reinforced polymer constructions. <i>Construction and Building Materials</i> , 2020 , 253, 119160	6.7	3
527	Eco-friendly ultra-high performance cement pastes produced with quarry wastes as alternative fillers. <i>Journal of Cleaner Production</i> , 2020 , 269, 122308	10.3	16
526	Environmental, economic and energy life cycle assessment from cradle to cradle (3E-C2C) of flat roofs. <i>Journal of Building Engineering</i> , 2020 , 32, 101436	5.2	5
525	Environmental life cycle assessment of the manufacture of EPS granulates, lightweight concrete with EPS and high-density EPS boards. <i>Journal of Building Engineering</i> , 2020 , 28, 101031	5.2	5
524	Characterisation of sustainable building walls made from rice straw bales. <i>Journal of Building Engineering</i> , 2020 , 28, 101041	5.2	20
523	Macro- and micro- properties of multi-recycled aggregate concrete. <i>Journal of Cleaner Production</i> , 2020 , 245, 118843	10.3	62
522	Variability of in-situ testing in wall coating systems - Karsten tube and moisture meter techniques. <i>Journal of Building Engineering</i> , 2020 , 27, 100998	5.2	10
521	Fresh properties of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2020 , 233, 117322	6.7	29
520	Mechanical, thermal and acoustic behaviour of polymer-based composite materials produced with rice husk and expanded cork by-products. <i>Construction and Building Materials</i> , 2020 , 239, 117851	6.7	24
519	Self-compacting mortars produced with fine fraction of calcined waste foundry sand (WFS) as alternative filler: Fresh-state, hydration and hardened-state properties. <i>Journal of Cleaner Production</i> , 2020 , 252, 119871	10.3	22
518	Durability performance of dry-mix shotcrete produced with coarse recycled concrete aggregates. <i>Journal of Building Engineering</i> , 2020 , 29, 101135	5.2	17
517	Mechanical and Durability Properties of Concrete with Coarse Recycled Aggregate Produced with Electric Arc Furnace Slag Concrete. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 216	2.6	21
516	Influence of gypsum wastes on the workability of plasters: Heating process and microstructural analysis. <i>Journal of Building Engineering</i> , 2020 , 29, 101143	5.2	7
515	Reinforced recycled aggregate concrete slabs: Structural design based on Eurocode 2. <i>Engineering Structures</i> , 2020 , 204, 110047	4.7	8
514	Uncertainty of shear resistance models: Influence of recycled concrete aggregate on beams with and without shear reinforcement. <i>Engineering Structures</i> , 2020 , 204, 109905	4.7	15

513	Tensile bond strength of lime-based mortars: The role of the microstructure on their performance assessed by a new non-standard test method. <i>Journal of Building Engineering</i> , 2020 , 29, 101136	5.2	9
512	Evaluation of the Ecotoxicological Potential of Fly Ash and Recycled Concrete Aggregates Use in Concrete. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 351	2.6	19
511	Steel fibre-reinforced high-strength concrete incorporating copper slag: Mechanical, gamma-ray shielding, impact resistance, and microstructural characteristics. <i>Journal of Building Engineering</i> , 2020 , 29, 101118	5.2	11
510	Environmental impact of the subcritical production of silica aerogels. <i>Journal of Cleaner Production</i> , 2020 , 252, 119696	10.3	12
509	Vibro-acoustic behaviour of polymer-based composite materials produced with rice husk and recycled rubber granules. <i>Construction and Building Materials</i> , 2020 , 264, 120221	6.7	10
508	On the Development of a Technical Specification for the Use of Fine Recycled Aggregates from Construction and Demolition Waste in Concrete Production. <i>Materials</i> , 2020 , 13,	3.5	8
507	Multi-criteria optimization of recycled aggregate concrete mixes. <i>Journal of Cleaner Production</i> , 2020 , 276, 124316	10.3	22
506	Optimization of Inspection Period in Natural Stone Claddings. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 8236	2.6	2
505	On the impacts of climate change on the functional deterioration of heritage buildings in South Chile. <i>Building and Environment</i> , 2020 , 183, 107138	6.5	12
504	Mechanical behaviour of structural concrete with ground recycled concrete cement and mixed recycled aggregate. <i>Journal of Cleaner Production</i> , 2020 , 275, 122913	10.3	28
503	Harmonised Classification of the Causes of Defects in a Global Inspection System: Proposed Methodology and Analysis of Fieldwork Data. <i>Sustainability</i> , 2020 , 12, 5564	3.6	6
502	High-Performance Self-Compacting Concrete with Recycled Aggregates from the Precast Industry: Durability Assessment. <i>Buildings</i> , 2020 , 10, 113	3.2	8
501	Use of Polycarbonate Waste as Aggregate in Recycled Gypsum Plasters. <i>Materials</i> , 2020 , 13,	3.5	8
500	Fast fatigue method for self-compacting recycled aggregate concrete characterization. <i>Journal of Cleaner Production</i> , 2020 , 277, 123263	10.3	14
499	Atlas of Defects within a Global Building Inspection System. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5879	2.6	3
498	Study of ASR in concrete with recycled aggregates: Influence of aggregate reactivity potential and cement type. <i>Construction and Building Materials</i> , 2020 , 265, 120743	6.7	1
497	Evaluation of high-performance self-compacting concrete using alternative materials and exposed to elevated temperatures by non-destructive testing. <i>Journal of Building Engineering</i> , 2020 , 32, 101720	5.2	13
496	Incorporation of Alkali-Activated Municipal Solid Waste Incinerator Bottom Ash in Mortar and Concrete: A Critical Review. <i>Materials</i> , 2020 , 13,	3.5	10

495	Non-destructive mechanical and physical in-situ testing of rendered walls under natural exposure. <i>Construction and Building Materials</i> , 2020 , 230, 116838	6.7	10
494	Computational models applied to the service life prediction of External Thermal Insulation Composite Systems (ETICS). <i>Journal of Building Engineering</i> , 2020 , 27, 100944	5.2	13
493	Treated phosphogypsum as an alternative set regulator and mineral addition in cement production. <i>Journal of Cleaner Production</i> , 2020 , 244, 118752	10.3	33
492	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
491	Stochastic maintenance models for ceramic claddings. <i>Structure and Infrastructure Engineering</i> , 2020 , 16, 247-265	2.9	17
490	Environmental Life Cycle Assessment of Thermal Insulation Tiles for Flat Roofs. <i>Materials</i> , 2019 , 12,	3.5	7
489	Retrofitting a Building Envelope: Sustainability Performance of ETICS with ICB or EPS. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1285	2.6	16
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484	Availability of Recycled Aggregates 2019 , 35-56		2
483	Processing of Recycled Aggregates 2019 , 57-88		1
482	Use of Recycled Aggregates in Mortar 2019 , 143-179		4
481	Fresh Concrete Properties 2019 , 181-218		1
480	Strength Development of Concrete 2019 , 219-282		0
479	Deformation of Concrete Containing Recycled Concrete Aggregate 2019 , 283-363		2
478	Recycled Aggregate Concrete: Durability Properties 2019 , 365-418		5

477	Use of Recycled Aggregates in Geotechnical Applications 2019 , 419-450		2
476	Use of Recycled Aggregates in Road Pavement Applications 2019 , 451-494		5
475	Environmental Impact, Case Studies and Standards and Specifications 2019 , 495-583		1
474	Potential for the Recycled Aggregate Market 2019 , 585-601		2
473	Studies in ancient gypsum based plasters towards their repair: Physical and mechanical properties. <i>Construction and Building Materials</i> , 2019 , 202, 319-331	6.7	13
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446	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
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434	Influence of Design on the Service Life of Indirectly Fastened Natural Stone Cladding. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04019021	2	5
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425	Studies in ancient gypsum based plasters towards their repair: Mineralogy and microstructure. <i>Construction and Building Materials</i> , 2019 , 196, 512-529	6.7	15
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419	Construction and demolition waste 2019 , 1-22		5
418	Equivalent functional unit in recycled aggregate concrete 2019 , 293-327		2
417	Legal regulations of recycled aggregate concrete in buildings and roads 2019 , 509-526		5
416	Real-scale applications of recycled aggregate concrete 2019 , 573-589		4
415	Structural reliability of recycled aggregate concrete 2019 , 541-572		0
414	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
413	Data Analysis of Inspection, Diagnosis, and Rehabilitation of Flat Roofs. <i>Journal of Performance of Constructed Facilities</i> , 2019 , 33, 04018100	2	18
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411	Safe use of electric arc furnace dust as secondary raw material in self-compacting mortars production. <i>Journal of Cleaner Production</i> , 2019 , 211, 1375-1388	10.3	21
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409	Risk of ASR in coating mortars incorporating glass aggregates and a Portland limestone cement. <i>European Journal of Environmental and Civil Engineering</i> , 2019 , 23, 226-244	1.5	2
408	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
407	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
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399	Serviceability of facade claddings. <i>Building Research and Information</i> , 2018 , 46, 179-190	4.3	19
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393	Production and Properties of Glass Cullet 2018 , 35-96		1
392	Use of Ground Glass Cullet as Cement Component 2018 , 97-166		
391	Combined Economic and Mechanical Performance Optimization of Recycled Aggregate Concrete with High Volume of Fly Ash. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1189	2.6	34
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388	Wastes as Aggregates, Binders or Additions in Mortars: Selecting Their Role Based on Characterization. <i>Materials</i> , 2018 , 11,	3.5	9

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376	Plastic wastes 2018 , 199-227		2
375	Proportioning, fresh-state properties and rheology of self-compacting concrete with fine recycled aggregates. <i>Hormigon Y Acero</i> , 2018 , 69, 213-221	1	7
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373	Alternative Applications 2018 , 239-276		0
372	Environmental Assessment 2018 , 277-330		
371	Carbon (CI) and energy intensity (EI) dataset for retail stores. <i>Data in Brief</i> , 2018 , 21, 1329-1333	1.2	1
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364	Inspection, Diagnosis, and Rehabilitation System for Vinyl and Linoleum Floorings in Health Infrastructures. <i>Journal of Performance of Constructed Facilities</i> , 2018 , 32, 04018078	2	15
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347	Maintenance Planning of Pitched Roofs in Current Buildings. <i>Journal of Construction Engineering and Management - ASCE</i> , 2017 , 143, 05017010	4.2	14
346	Proportioning, Microstructure and Fresh Properties of Self-compacting Concrete with Recycled Sand. <i>Procedia Engineering</i> , 2017 , 171, 645-657		15
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344	Inspection, Diagnosis, and Repair System for Architectural Concrete Surfaces. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017035	2	19
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334	Methodology for service life prediction of architectural concrete facades. <i>Construction and Building Materials</i> , 2017 , 133, 261-274	6.7	35

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330	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
329	Experimental Study of the Compressive Strength of Multi-Coat Renders. <i>Materials Research</i> , 2017 , 20, 1254-1265	1.5	1
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327	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
326	Analysis of the Inspection, Diagnosis, and Repair of External Door and Window Frames. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017098	2	14
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320	Statistical Survey on Inspection, Diagnosis, and Repair of Architectural Concrete Surfaces. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017097	2	16
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310	Mechanical Performance Evaluation of Self-Compacting Concrete with Fine and Coarse Recycled Aggregates from the Precast Industry. <i>Materials</i> , 2017 , 10,	3.5	32
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308	Use of Copper Slag as Concrete Sand 2017 , 87-163		1
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