

João N Pacheco

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,028
citations

623188

14
h-index

525886

27
g-index

29
all docs

29
docs citations

29
times ranked

739
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, material, mechanical and durability properties and behaviour of recycled aggregates concrete. <i>Journal of Building Engineering</i> , 2016, 6, 1-16.	1.6	161
2	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.	3.2	160
3	Use of coarse recycled aggregates from precast concrete rejects: Mechanical and durability performance. <i>Construction and Building Materials</i> , 2014, 71, 263-272.	3.2	149
4	Durability and shrinkage of concrete with CDW as recycled aggregates: Benefits from superplasticizer's incorporation and influence of CDW composition. <i>Construction and Building Materials</i> , 2018, 168, 818-830.	3.2	70
5	Superplasticizer's 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.	3.2	62
6	Flexural load tests of full-scale recycled aggregates concrete structures. <i>Construction and Building Materials</i> , 2015, 101, 65-71.	3.2	54
7	In situ materials characterization of full-scale recycled aggregates concrete structures. <i>Construction and Building Materials</i> , 2014, 71, 237-245.	3.2	45
8	Destructive Horizontal Load Tests of Full-Scale Recycled-Aggregate Concrete Structures. <i>ACI Structural Journal</i> , 2015, 112, .	0.3	43
9	Probabilistic Conversion of the Compressive Strength of Cubes to Cylinders of Natural and Recycled Aggregate Concrete Specimens. <i>Materials</i> , 2019, 12, 280.	1.3	35
10	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.	1.3	35
11	Dynamic characterization of full-scale structures made with recycled coarse aggregates. <i>Journal of Cleaner Production</i> , 2017, 142, 4195-4205.	4.6	32
12	Recycled Aggregates Produced from Construction and Demolition Waste for Structural Concrete: Constituents, Properties and Production. <i>Materials</i> , 2021, 14, 5748.	1.3	29
13	Uncertainty Models of Reinforced Concrete Beams in Bending: Code Comparison and Recycled Aggregate Incorporation. <i>Journal of Structural Engineering</i> , 2019, 145, .	1.7	28
14	Uncertainty of shear resistance models: Influence of recycled concrete aggregate on beams with and without shear reinforcement. <i>Engineering Structures</i> , 2020, 204, 109905.	2.6	27
15	Bond of recycled coarse aggregate concrete: Model uncertainty and reliability-based calibration of design equations. <i>Engineering Structures</i> , 2021, 239, 112290.	2.6	14
16	Environmental and Economic Life Cycle Assessment of Recycled Coarse Aggregates: A Portuguese Case Study. <i>Materials</i> , 2021, 14, 5452.	1.3	14
17	Scatter of Constitutive Models of the Mechanical Properties of Concrete: Comparison of Major International Codes. <i>Journal of Advanced Concrete Technology</i> , 2019, 17, 102-125.	0.8	10
18	A modified Mazars damage model with energy regularization. <i>Engineering Fracture Mechanics</i> , 2022, 259, 108129.	2.0	9

#	ARTICLE	IF	CITATIONS
19	Statistical analysis of Portuguese ready-mixed concrete production. Construction and Building Materials, 2019, 209, 283-294.	3.2	8
20	Eurocode Shear Design of Coarse Recycled Aggregate Concrete: Reliability Analysis and Partial Factor Calibration. Materials, 2021, 14, 4081.	1.3	8
21	Structural safety of pultruded FRP profiles for global buckling. Part 2: Reliability-based evaluation of safety formats and partial factor calibration. Composite Structures, 2021, 257, 113147.	3.1	7
22	Fracture Behaviour of Concrete with Reactive Magnesium Oxide as Alternative Binder. Applied Sciences (Switzerland), 2021, 11, 2891.	1.3	7
23	Eurocode Design of Recycled Aggregate Concrete for Chloride Environments: Stochastic Modeling of Chloride Migration and Reliability-Based Calibration of Cover. Crystals, 2021, 11, 284.	1.0	6
24	Structural safety of pultruded FRP profiles for global buckling. Part 1: Approach to material uncertainty, resistance models, and model uncertainties.. Composite Structures, 2021, 257, 113304.	3.1	5
25	Reliability-based recommendations for EN1992 carbonation cover design of concrete with coarse recycled concrete aggregates. Structural Concrete, 2022, 23, 1873-1889.	1.5	3
26	Thermal Performance of Concrete with Reactive Magnesium Oxide as an Alternative Binder. Sustainability, 2022, 14, 5885.	1.6	3
27	Structural reliability of recycled aggregate concrete. , 2019, , 541-572.		2