

Eduardo N B S Julio

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.

93
papers

2,869
citations

33
h-index

51
g-index

98
ext. papers

3,534
ext. citations

5
avg, IF

5.6
L-index

#	Paper	IF	Citations
93	Methodology for the restoration of heritage built in exposed concrete. The case study of Biscina das Marçãs Portugal. <i>Construction and Building Materials</i> , 2022 , 328, 127040	6.7	1
92	Environmental Impacts and Benefits of the End-of-Life of Building Materials: Database to Support Decision Making and Contribute to Circularity. <i>Sustainability</i> , 2021 , 13, 12659	3.6	0
91	Durability of mortar matrices of low-cement concrete with specific additions. <i>Construction and Building Materials</i> , 2021 , 309, 125060	6.7	1
90	A solution with low-cement-lightweight concrete and high durability for applications in prefabrication. <i>Construction and Building Materials</i> , 2021 , 275, 122153	6.7	4
89	Flexural behavior of slender long-span precast prestressed high-strength concrete girders. <i>Structural Concrete</i> , 2021 , 22, 2272-2288	2.6	
88	Experimental development of low cement content and recycled construction and demolition waste aggregates concrete. <i>Construction and Building Materials</i> , 2021 , 273, 121680	6.7	19
87	Efficiency of cement content and of compactness on mechanical performance of low cement concrete designed with packing optimization. <i>Construction and Building Materials</i> , 2021 , 266, 121077	6.7	9
86	Chromatic design and application of restoration mortars on smooth surfaces of white and GRAY concrete. <i>Structural Concrete</i> , 2021 , 22, E535	2.6	4
85	Influence of Nano-SiO ₂ , Nano-Al ₂ O ₃ , and Nano-ZnO Additions on Cementitious Matrixes with Different Powder and Steel Fibers Content. <i>Journal of Advanced Concrete Technology</i> , 2021 , 19, 40-52	2.3	1
84	Design and Durability Assessment of Restoring Mortar for Concrete Heritage. <i>Materials</i> , 2021 , 14,	3.5	1
83	Experimental study on the interface between low cement recycled aggregates concrete and ultra-high durability concrete. <i>Construction and Building Materials</i> , 2021 , 304, 124603	6.7	4
82	Load bearing capacity of connections between innovative pre-walls designed to have high durability and eco-efficiency. <i>Journal of Building Engineering</i> , 2021 , 44, 103356	5.2	
81	Analytical hybrid effect prediction and evolution of the tensile response of unidirectional hybrid fibre-reinforced polymers composites for civil engineering applications. <i>Journal of Composite Materials</i> , 2020 , 54, 3205-3228	2.7	6
80	Admixture tuning for high-performance concrete for the production of novel precast pre-stressed long-span girders for highway overpasses. <i>Structural Concrete</i> , 2020 , 21, 1989-1998	2.6	1
79	Durability and Time-Dependent Properties of Low-Cement Concrete. <i>Materials</i> , 2020 , 13,	3.5	6
78	Mechanical performance of eco-efficient hollow clay bricks incorporating industrial nano-crystalline aluminium sludge. <i>European Journal of Environmental and Civil Engineering</i> , 2020 , 24, 1921-1938	1.5	3
77	3D finite element model for hybrid FRP-confined concrete in compression using modified CDPM. <i>Engineering Structures</i> , 2019 , 190, 459-479	4.7	15

76	Colored concrete restoration method: For chromatic design and application of restoration mortars on smooth surfaces of colored concrete. <i>Structural Concrete</i> , 2019 , 20, 1391-1401	2.6	4
75	Effect of non-structural masonry brick infill walls on the robustness of a RC framed building severely damaged due to a landslide. <i>Engineering Structures</i> , 2019 , 180, 274-283	4.7	14
74	Automatic mapping of cracking patterns on concrete surfaces with biological stains using hyper-spectral images processing. <i>Structural Control and Health Monitoring</i> , 2019 , 26, e2320	4.5	12
73	Hybrid effect and pseudo-ductile behaviour of unidirectional interlayer hybrid FRP composites for civil engineering applications. <i>Construction and Building Materials</i> , 2018 , 171, 871-890	6.7	29
72	On the sustainability of rubberized concrete filled square steel tubular columns. <i>Journal of Cleaner Production</i> , 2018 , 170, 510-521	10.3	10
71	Hybrid FRP jacketing for enhanced confinement of circular concrete columns in compression. <i>Construction and Building Materials</i> , 2018 , 184, 681-704	6.7	20
70	Behavior of reinforced concrete frame with masonry infill wall subjected to vertical load. <i>Engineering Structures</i> , 2018 , 171, 476-487	4.7	27
69	MCrack-Dam: the scale-up of a method to assess cracks on concrete dams by image processing. The case study of Itaipu Dam, at the BrazilParaguay border. <i>Journal of Civil Structural Health Monitoring</i> , 2018 , 8, 857-866	2.9	3
68	Crack propagation monitoring using an image deformation approach. <i>Structural Control and Health Monitoring</i> , 2017 , 24, e1973	4.5	9
67	Influence of fibres on the mechanical behaviour of fibre reinforced concrete matrixes. <i>Construction and Building Materials</i> , 2017 , 137, 548-556	6.7	48
66	Influence of concrete strength and steel fibre geometry on the fibre/matrix interface. <i>Composites Part B: Engineering</i> , 2017 , 122, 156-164	10	52
65	Assessment of cracks on concrete bridges using image processing supported by laser scanning survey. <i>Construction and Building Materials</i> , 2017 , 146, 668-678	6.7	78
64	Coexistence server in Cognitive Networks: A real implementation. <i>Computer Standards and Interfaces</i> , 2017 , 50, 223-235	3.5	1
63	Numerical study of the compressive mechanical behaviour of rubberized concrete using the eXtended Finite Element Method (XFEM). <i>Composite Structures</i> , 2017 , 179, 132-145	5.3	16
62	Detection of cracks on concrete surfaces by hyperspectral image processing 2017 ,		2
61	Influence of nanoparticles additions on the bond between steel fibres and the binding paste. <i>Construction and Building Materials</i> , 2017 , 151, 312-318	6.7	2
60	New Trends for Reinforced Concrete Structures: Some Results of Exploratory Studies. <i>Infrastructures</i> , 2017 , 2, 17	2.6	1
59	Influence of nano-SiO ₂ and nano-Al ₂ O ₃ additions on steel-to-concrete bonding. <i>Construction and Building Materials</i> , 2016 , 125, 1080-1092	6.7	34

58	Novel composites from green unsaturated polyesters and fly ashes: Preparation and characterization. <i>Reactive and Functional Polymers</i> , 2016 , 106, 24-31	4.6	11
57	Modelling the behaviour of steel fibre reinforced concrete using a discrete strong discontinuity approach. <i>Engineering Fracture Mechanics</i> , 2016 , 154, 12-23	4.2	17
56	Shear strength of recycled aggregate concrete to natural aggregate concrete interfaces. <i>Construction and Building Materials</i> , 2016 , 109, 139-145	6.7	42
55	Tests and design of short steel tubes filled with rubberised concrete. <i>Engineering Structures</i> , 2016 , 112, 274-286	4.7	63
54	Experimental study on short rubberized concrete-filled steel tubes under cyclic loading. <i>Composite Structures</i> , 2016 , 136, 394-404	5.3	38
53	Influence of nano-SiO ₂ and nano-Al ₂ O ₃ additions on the shear strength and the bending moment capacity of RC beams. <i>Construction and Building Materials</i> , 2016 , 123, 35-46	6.7	21
52	Finite element modelling of short steel tubes filled with rubberized concrete. <i>Composite Structures</i> , 2016 , 150, 28-40	5.3	38
51	Effect of supplementary cementitious materials on autogenous shrinkage of ultra-high performance concrete. <i>Construction and Building Materials</i> , 2016 , 127, 43-48	6.7	114
50	Characterization of alkali-activated binders using the maturity method. <i>Construction and Building Materials</i> , 2015 , 95, 337-344	6.7	11
49	Influence of nano-silica addition on durability of UHPC. <i>Construction and Building Materials</i> , 2015 , 94, 181-188	6.7	80
48	Mechanical characterization of rubberized concrete using an image-processing/XFEM coupled procedure. <i>Composites Part B: Engineering</i> , 2015 , 78, 214-226	10	28
47	Patch Restoration Method: A new concept for concrete heritage. <i>Construction and Building Materials</i> , 2015 , 101, 643-651	6.7	11
46	Critical review on eco-efficient ultra high performance concrete enhanced with nano-materials. <i>Construction and Building Materials</i> , 2015 , 101, 201-208	6.7	81
45	Statistical mixture design approach for eco-efficient UHPC. <i>Cement and Concrete Composites</i> , 2015 , 55, 17-25	8.6	62
44	Prediction of Fresh and Hardened State Properties of UHPC: Comparative Study of Statistical Mixture Design and an Artificial Neural Network Model. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04015017	3	52
43	Enhancement of the thermal performance of perforated clay brick walls through the addition of industrial nano-crystalline aluminium sludge. <i>Construction and Building Materials</i> , 2015 , 101, 227-238	6.7	17
42	The effect of nanosilica addition on flowability, strength and transport properties of ultra high performance concrete. <i>Materials & Design</i> , 2014 , 59, 1-9		214
41	Precast alkali-activated concrete towards sustainable construction. <i>Magazine of Concrete Research</i> , 2014 , 66, 618-626	2	11

40	Anchorage of steel rebars to recycled aggregates concrete. <i>Construction and Building Materials</i> , 2014 , 72, 113-123	6.7	45
39	Insights into the thermo-mechanical properties of films cast from emulsion terpolymers. <i>Progress in Organic Coatings</i> , 2014 , 77, 790-797	4.8	5
38	RSM-based model to predict the performance of self-compacting UHPC reinforced with hybrid steel micro-fibers. <i>Construction and Building Materials</i> , 2014 , 66, 375-383	6.7	85
37	Probabilistic Analysis of High Strength Concrete Girders Strengthened with CFRP 2014 ,		2
36	Automatic concrete health monitoring: assessment and monitoring of concrete surfaces. <i>Structure and Infrastructure Engineering</i> , 2014 , 10, 1547-1554	2.9	22
35	An embedded formulation with conforming finite elements to capture strong discontinuities. <i>International Journal for Numerical Methods in Engineering</i> , 2013 , 93, 224-244	2.4	37
34	Damage assessment on concrete surfaces using multi-spectral image analysis. <i>Construction and Building Materials</i> , 2013 , 40, 971-981	6.7	27
33	A modified slant shear test designed to enforce adhesive failure. <i>Construction and Building Materials</i> , 2013 , 41, 673-680	6.7	30
32	Numerical study towards the use of a SH wave ultrasonic-based strategy for crack detection in concrete structures. <i>Engineering Structures</i> , 2013 , 49, 782-791	4.7	8
31	A state-of-the-art review on roughness quantification methods for concrete surfaces. <i>Construction and Building Materials</i> , 2013 , 38, 912-923	6.7	107
30	Automatic crack monitoring using photogrammetry and image processing. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013 , 46, 433-441	4.6	57
29	Characterisation of concrete cracking during laboratorial tests using image processing. <i>Construction and Building Materials</i> , 2012 , 28, 607-615	6.7	40
28	New approach for shrinkage prediction of high-strength lightweight aggregate concrete. <i>Construction and Building Materials</i> , 2012 , 35, 84-91	6.7	35
27	Bond strength of textured micropiles grouted to concrete footings. <i>Engineering Structures</i> , 2012 , 35, 288-295	4.7	6
26	Influence of anti-corrosive coatings on the bond of steel rebars to repair mortars. <i>Engineering Structures</i> , 2012 , 36, 372-378	4.7	14
25	Applications of Photogrammetry to Structural Assessment. <i>Experimental Techniques</i> , 2012 , 36, 71-81	1.4	39
24	The application of uncertainty measures in the training and evaluation of supervised classifiers. <i>International Journal of Remote Sensing</i> , 2012 , 33, 2851-2867	3.1	1
23	A state-of-the-art review on shear-friction. <i>Engineering Structures</i> , 2012 , 45, 435-448	4.7	97

22	Compressive strength of micropile-to-grout connections. <i>Construction and Building Materials</i> , 2012 , 26, 172-179	6.7	14
21	FE modeling of the interfacial behaviour of composite concrete members. <i>Construction and Building Materials</i> , 2012 , 26, 233-243	6.7	18
20	Laboratorial test monitoring applying photogrammetric post-processing procedures to surface displacements. <i>Measurement: Journal of the International Measurement Confederation</i> , 2011 , 44, 527-538	4.6	26
19	An element enriched formulation for simulation of splitting failure. <i>Engineering Fracture Mechanics</i> , 2011 , 78, 301-316	4.2	4
18	Evaluation of soft possibilistic classifications with non-specificity uncertainty measures. <i>International Journal of Remote Sensing</i> , 2010 , 31, 5199-5219	3.1	2
17	Case study: Damage of an RC building after a landslide inspection, analysis and retrofitting. <i>Engineering Structures</i> , 2010 , 32, 1814-1820	4.7	15
16	Accuracy of design code expressions for estimating longitudinal shear strength of strengthening concrete overlays. <i>Engineering Structures</i> , 2010 , 32, 2387-2393	4.7	25
15	A comparative study on the modelling of discontinuous fracture by means of enriched nodal and element techniques and interface elements. <i>International Journal of Fracture</i> , 2010 , 161, 97-119	2.3	54
14	Towards the development of an in situ non-destructive method to control the quality of concrete-to-concrete interfaces. <i>Engineering Structures</i> , 2010 , 32, 207-217	4.7	11
13	Arbitrary bi-dimensional finite strain cohesive crack propagation. <i>Computational Mechanics</i> , 2009 , 45, 61-75	4	37
12	Towards a generalization of a discrete strong discontinuity approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2009 , 198, 3670-3681	5.7	39
11	CABLE TENSIONING CONTROL AND MODAL IDENTIFICATION OF A CIRCULAR CABLE-STAYED FOOTBRIDGE. <i>Experimental Techniques</i> , 2009 , 34, 62-68	1.4	13
10	A discrete strong discontinuity approach. <i>Engineering Fracture Mechanics</i> , 2009 , 76, 1176-1201	4.2	61
9	Assessment of the state of conservation of buildings through roof mapping using very high spatial resolution images. <i>Construction and Building Materials</i> , 2009 , 23, 2795-2802	6.7	9
8	A method to incorporate uncertainty in the classification of remote sensing images. <i>International Journal of Remote Sensing</i> , 2009 , 30, 5489-5503	3.1	15
7	Development of a laser roughness analyser to predict in situ the bond strength of concrete-to-concrete interfaces. <i>Magazine of Concrete Research</i> , 2008 , 60, 329-337	2	40
6	Structural assessment of the tower of the University of Coimbra by modal identification. <i>Engineering Structures</i> , 2008 , 30, 3468-3477	4.7	45
5	Correlation between concrete-to-concrete bond strength and the roughness of the substrate surface. <i>Construction and Building Materials</i> , 2007 , 21, 1688-1695	6.7	138

4	Assessing Concrete-to-Concrete Bond Strength by Measuring the Roughness of the Substrate Surface 2006 , 17		
3	Influence of added concrete compressive strength on adhesion to an existing concrete substrate. <i>Building and Environment</i> , 2006 , 41, 1934-1939	6.5	70
2	Concrete-to-concrete bond strength: influence of an epoxy-based bonding agent on a roughened substrate surface. <i>Magazine of Concrete Research</i> , 2005 , 57, 463-468	2	39
1	Concrete-to-concrete bond strength. Influence of the roughness of the substrate surface. <i>Construction and Building Materials</i> , 2004 , 18, 675-681	6.7	189