Daniel V Oliveira

List of Publications by Citations

136 papers	3,644 citations	35 h-index	57 g-index
155 ext. papers	4,305 ext. citations	4 avg, IF	5.75 L-index

#	Paper	IF	Citations
136	Mortar-based systems for externally bonded strengthening of masonry. *Materials and Structures/Materiaux Et Constructions*, **2014**, 47, 2021-2037	3.4	166
135	Numerical models for the seismic assessment of an old masonry tower. *Engineering Structures*, **2010** , 32, 1466-1478	4.7	163
134	Analysis of Masonry Structures Without Box Behavior. *International Journal of Architectural Heritage*, **2011**, 5, 369-382	2.1	155
133	Round Robin Test for composite-to-brick shear bond characterization. *Materials and Structures/Materiaux Et Constructions*, **2012**, 45, 1761-1791	3.4	152
132	Glass fabric reinforced cementitious matrix: Tensile properties and bond performance on masonry substrate. *Composites Part B: Engineering*, **2017**, 127, 196-214	10	132
131	Soil stabilisation using alkaline activation of fly ash for self compacting rammed earth construction. *Construction and Building Materials*, **2012**, 36, 727-735	6.7	121
130	Experimental Behavior of FRP Strengthened Masonry Arches. *Journal of Composites for Construction*, **2010**, 14, 312-322	3.3	107
129	Mechanical performance of natural fiber-reinforced composites for the strengthening of masonry. *Composites Part B: Engineering*, **2015**, 77, 74-83	10	105
128	Application of digital image correlation in investigating the bond between FRP and masonry. *Composite Structures*, **2013**, 106, 340-349	5.3	91
127	Dry Joint Stone Masonry Walls Subjected to In-Plane Combined Loading. *Journal of Structural Engineering*, **2005**, 131, 1665-1673	3	91
126	Implementation and validation of a constitutive model for the cyclic behaviour of interface elements. *Computers and Structures*, **2004**, 82, 1451-1461	4.5	89
125	Experimental Bond Behavior of FRP Sheets Glued on Brick Masonry. *Journal of Composites for Construction*, **2011**, 15, 32-41	3.3	85
124	Recommendation of RILEM Technical Committee 250-CSM: Test method for Textile Reinforced Mortar to substrate bond characterization. *Materials and Structures/Materiaux Et Constructions*, **2018**, 51, 1	3.4	81
123	Numerical analysis of bond behavior between masonry bricks and composite materials. *Engineering Structures*, **2012**, 43, 210-220	4.7	78
122	Geometric issues and ultimate load capacity of masonry arch bridges from the northwest Iberian Peninsula. *Engineering Structures*, **2010**, 32, 3955-3965	4.7	74
121	Static behaviour of rammed earth: experimental testing and finite element modelling. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 3443-3456	3.4	71
120	Rammed earth construction with granitic residual soils: The case study of northern Portugal. *Construction and Building Materials*, **2013**, 47, 181-191	6.7	67

119	Bond behavior of SRG-strengthened masonry units: Testing and numerical modeling. *Construction and Building Materials*, **2014**, 64, 387-397	6.7	63
118	Water degrading effects on the bond behavior in FRP-strengthened masonry. *Composites Part B: Engineering*, **2013**, 54, 11-19	10	63
117	Development of novel auxetic structures based on braided composites. *Materials & Design*, **2014**, 61, 286-295		62
116	Structural assessment of masonry arch bridges by combination of non-destructive testing techniques and three-dimensional numerical modelling: Application to Vilanova bridge. *Engineering Structures*, **2017**, 148, 621-638	4.7	61
115	Numerical study of the role of mortar joints in the bond behavior of FRP-strengthened masonry. *Composites Part B: Engineering*, **2013**, 46, 21-30	10	61
114	Modelling the nonlinear behaviour of masonry walls strengthened with textile reinforced mortars. *Engineering Structures*, **2017**, 134, 11-24	4.7	50
113	Simplified indexes for the seismic assessment of masonry buildings: International database and validation. *Engineering Failure Analysis*, **2013**, 34, 585-605	3.2	47
112	Rheological properties of alkaline activated fly ash used in jet grouting applications. *Construction and Building Materials*, **2013**, 48, 925-933	6.7	44
111	Strengthening of three-leaf stone masonry walls: an experimental research. *Materials and Structures/Materiaux Et Constructions*, **2012**, 45, 1259-1276	3.4	44
110	Characterization of debonding in FRP-strengthened masonry using the acoustic emission technique. *Engineering Structures*, **2014**, 66, 24-34	4.7	43
109	Cyclic behaviour of stone and brick masonry under uniaxial compressive loading. *Materials and Structures/Materiaux Et Constructions*, **2007**, 39, 247-257	3.4	43
108	Quantitative and qualitative assessment of the amorphous phase of a Class F fly ash dissolved during alkali activation reactions Effect of mechanical activation, solution concentration and temperature. *Composites Part B: Engineering*, **2016**, 103, 1-14	10	43
107	The effect of skew angle on the mechanical behaviour of masonry arches. *Mechanics Research Communications*, **2014**, 61, 53-59	2.2	41
106	FRP brick masonry bond degradation under hygrothermal conditions. *Composite Structures*, **2016**, 147, 143-154	5.3	40
105	Automatic Morphologic Analysis of Quasi-Periodic Masonry Walls from LiDAR. *Computer-Aided Civil and Infrastructure Engineering*, **2016**, 31, 305-319	8.4	39
104	Moisture-induced degradation of interfacial bond in FRP-strengthened masonry. *Composites Part B: Engineering*, **2016**, 87, 47-58	10	38
103	Experimental tests for the characterization of sisal fiber reinforced cementitious matrix for strengthening masonry structures. *Construction and Building Materials*, **2019**, 219, 44-55	6.7	36
102	Assessing the production of jet mix columns using alkali activated waste based on mechanical and financial performance and CO 2 (eq) emissions. *Journal of Cleaner Production*, **2015**, 102, 447-460	10.3	35

101	Effect of test setup on the fiber-to-mortar pull-out response in TRM composites: Experimental and analytical modeling. *Composites Part B: Engineering*, **2018**, 143, 250-268	10	34
100	Repair of composite-to-masonry bond using flexible matrix. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 2563-2580	3.4	33
99	Fiber-to-mortar bond behavior in TRM composites: Effect of embedded length and fiber configuration. *Composites Part B: Engineering*, **2018**, 152, 43-57	10	33
98	Multi-level characterization of steel reinforced mortars for strengthening of masonry structures. *Materials and Design*, **2016**, 110, 903-913	8.1	32
97	Reliability-based assessment of existing masonry arch railway bridges. *Construction and Building Materials*, **2016**, 115, 544-554	6.7	31
96	Shear strengthening of masonry wallettes resorting to structural repointing and FRCM composites. *Construction and Building Materials*, **2019**, 206, 19-34	6.7	31
95	Experimental behavior of masonry wall-to-timber elements connections strengthened with injection anchors. *Engineering Structures*, **2014**, 81, 98-109	4.7	28
94	Evaluating the seismic behaviour of rammed earth buildings from Portugal: From simple tools to advanced approaches. *Engineering Structures*, **2018**, 157, 144-156	4.7	27
93	Development and characterization of novel auxetic structures based on re-entrant hexagon design produced from braided composites. *Composites Part B: Engineering*, **2016**, 93, 132-142	10	27
92	ONE-SIDED rocking analysis of corner mechanisms in masonry structures: Influence of geometry, energy dissipation, boundary conditions. *Soil Dynamics and Earthquake Engineering*, **2019**, 123, 357-370	3.5	25
91	Effectiveness of the repair of unstabilised rammed earth with injection of mud grouts. *Construction and Building Materials*, **2016**, 127, 861-871	6.7	24
90	Characterization of the response of quasi-periodic masonry: Geometrical investigation, homogenization and application to the Guimarães castle, Portugal. *Engineering Structures*, **2013**, 56, 621-641	4.7	24
89	Evaluation of the bond performance in FRP–brick components re-bonded after initial delamination. *Composite Structures*, **2015**, 123, 271-281	5.3	24
88	Development, characterization and analysis of auxetic structures from braided composites and study the influence of material and structural parameters. *Composites Part A: Applied Science and Manufacturing*, **2016**, 87, 86-97	8.4	24
87	Mechanical characterisation of dry-stack masonry made of CEBs stabilised with alkaline activation. *Construction and Building Materials*, **2015**, 75, 349-358	6.7	23
86	ICEBs stabilised with alkali-activated fly ash as a renewed approach for green building: Exploitation of the masonry mechanical performance. *Construction and Building Materials*, **2017**, 155, 65-78	6.7	23
85	On the development of unmodified mud grouts for repairing earth constructions: rheology, strength and adhesion. *Materials and Structures/Materiaux Et Constructions*, **2012**, 45, 1497-1512	3.4	22
84	Pushover analysis and failure pattern of a typical masonry residential building in Bosnia and Herzegovina. *Engineering Structures*, **2013**, 50, 13-29	4.7	22

83	Web-GIS approach to preventive conservation of heritage buildings. *Automation in Construction*, **2020**, 118, 103304	9.6	21
82	Fibrous and composite materials for blast protection of structural elements – A state-of-the-art review. *Journal of Reinforced Plastics and Composites*, **2013**, 32, 1477-1500	2.9	20
81	Accelerated Hygrothermal Aging of Bond in FRP-Masonry Systems. *Journal of Composites for Construction*, **2015**, 19, 04014051	3.3	19
80	Wall-to-horizontal diaphragm connections in historical buildings: A state-of-the-art review. *Engineering Structures*, **2019**, 199, 109559	4.7	18
79	Hygrothermal durability of bond in FRP-strengthened masonry. *Materials and Structures/Materiaux Et Constructions*, **2014**, 47, 2039-2050	3.4	18
78	Probabilistic-based assessment of a masonry arch bridge considering inferential procedures. *Engineering Structures*, **2017**, 134, 61-73	4.7	17
77	FRP-to-Masonry Bond Durability Assessment with Infrared Thermography Method. *Journal of Nondestructive Evaluation*, **2014**, 33, 427-437	2.1	17
76	A Digital-based Integrated Methodology for the Preventive Conservation of Cultural Heritage: The Experience of HeritageCare Project. *International Journal of Architectural Heritage*, **2019**, 1-20	2.1	16
75	Experimental and Numerical Investigations on the Behaviour of Masonry Walls Reinforced with an Innovative Sisal FRCM System. *Key Engineering Materials*, **2017**, 747, 190-195	0.4	16
74	Shear capacity assessment of tuff panels strengthened with FRP diagonal layout. *Composites Part B: Engineering*, **2011**, 42, 1956-1965	10	16
73	Textile-to-mortar bond behaviour in lime-based textile reinforced mortars. *Construction and Building Materials*, **2019**, 227, 116682	6.7	15
72	Seismic Assessment of St James Church by Means of Pushover Analysis – Before and After the New Zealand Earthquake. *Open Civil Engineering Journal*, **2012**, 6, 160-172	0.8	15
71	Numerical modeling of the seismic out-of-plane response of a plain and TRM-strengthened rammed earth subassembly. *Engineering Structures*, **2019**, 193, 43-56	4.7	12
70	Numerical study on the performance of improved masonry-to-timber connections in traditional masonry buildings. *Engineering Structures*, **2014**, 80, 501-513	4.7	12
69	A Parametric Scan-to-FEM Framework for the Digital Twin Generation of Historic Masonry Structures. *Sustainability*, **2021**, 13, 11088	3.6	12
68	Bond behavior degradation between FRP and masonry under aggressive environmental conditions. *Mechanics of Advanced Materials and Structures*, **2019**, 26, 6-14	1.8	11
67	Comparison of the performance of hydraulic lime- and clay-based grouts in the repair of rammed earth. *Construction and Building Materials*, **2018**, 193, 384-394	6.7	11
66	Seismic performance of historical vaulted adobe constructions: a numerical case study from Yazd, Iran. *International Journal of Architectural Heritage*, **2018**, 12, 879-897	2.1	10

65	Vernacular schist farm walls: materials, construction techniques and sustainable rebuilding solutions. *Journal of Building Engineering*, **2018**, 15, 334-352	5.2	10
64	Effect of Environmental Aging on the Numerical Response of FRP-Strengthened Masonry Walls. *Journal of Structural Engineering*, **2016**, 142, 04015087	3	9
63	Experimental characterization of physical and mechanical properties of schist from Portugal. *Construction and Building Materials*, **2014**, 50, 617-630	6.7	9
62	Characterization of a Compatible Low Cost Strengthening Solution Based on the TRM Technique for Rammed Earth. *Key Engineering Materials*, **2017**, 747, 150-157	0.4	9
61	Experimental Behavior of Natural Fiber-Based Composites Used for Strengthening Masonry Structures. *Conference Papers in Materials Science*, **2013**, 2013, 1-6		9
60	Expeditious damage index for arched structures based on dynamic identification testing. *Construction and Building Materials*, **2020**, 265, 120236	6.7	9
59	Seismic Evaluation and Strengthening of an Existing Masonry Building in Sarajevo, B&H. *Buildings*, **2019**, 9, 30	3.2	8
58	Modelling of the In-Plane and Out-of-Plane Performance of TRM-Strengthened Masonry Walls. *Key Engineering Materials*, **2017**, 747, 60-68	0.4	8
57	Conservation and New Construction Solutions in Rammed Earth. *Building Pathology and Rehabilitation*, **2014**, 77-108	0.2	8
56	Static Behavior of Cob: Experimental Testing and Finite-Element Modeling. *Journal of Materials in Civil Engineering*, **2019**, 31, 04019021	3	7
55	Experimental Investigation on the Bond Behavior of a Compatible TRM-based Solution for Rammed Earth Heritage. *International Journal of Architectural Heritage*, **2019**, 13, 1042-1060	2.1	7
54	Numerical modelling and parametric analysis of bond strength of masonry members retrofitted with FRP. *Construction and Building Materials*, **2014**, 73, 713-727	6.7	7
53	Development and Demonstration of an HBIM Framework for the Preventive Conservation of Cultural Heritage. *International Journal of Architectural Heritage*,1-23	2.1	7
52	Aging of lime-based TRM composites under natural environmental conditions. *Construction and Building Materials*, **2021**, 270, 121853	6.7	7
51	The use of natural fibers in repairing and strengthening of cultural heritage buildings. *Materials Today: Proceedings*, **2020**, 31, S321-S328	1.4	6
50	Physical and mechanical characterization of vernacular dry stone heritage materials: Schist and granite from Northwest Portugal. *Construction and Building Materials*, **2020**, 259, 119705	6.7	6
49	The Application of Sonic Testing on Double-Leaf Historical Portuguese Masonry to Obtain Morphology and Mechanical Properties. *RILEM Bookseries*, **2019**, 661-668	0.5	5
48	Probabilistic-based structural assessment of a historic stone arch bridge. *Structure and Infrastructure Engineering*, **2021**, 17, 379-391	2.9	5

47	The Use of Contact Sponge Method to Measure Water Absorption in Earthen Heritage Treated with Water Repellents. *International Journal of Architectural Heritage*, **2020**, 1-12	2.1	4
46	Modelling the Structural Behaviour of Rammed Earth Components		4
45	Textile-to-mortar bond behavior: An analytical study. *Construction and Building Materials*, **2021**, 282, 122639	6.7	4
44	Analytical Modeling of the Bond Behavior between ?Textile ?and Mortar Based on Pull-Out ?Tests. *Key Engineering Materials*, **2019**, 817, 112-117	0.4	3
43	Design Parameters for Seismically Retrofitted Masonry-to-Timber Connections: Injection Anchors. *International Journal of Architectural Heritage*, **2015**,	2.1	3
42	Numerical analysis of the in-plane behaviour of TRM-strengthened masonry walls **2016**, 365-371		3
41	Slip rate effects and cyclic behaviour of textile-to-matrix bond in textile reinforced mortar composites. *Materials and Structures/Materiaux Et Constructions*, **2021**, 54, 1	3.4	3
40	Experimental characterization of adobe vaults strengthened with a TRM-based compatible composite. *Construction and Building Materials*, **2021**, 271, 121568	6.7	3
39	Nonlinear Dynamic Analysis for Safety Assessment of Heritage Buildings: Church of Santa Maria de Belẽn. *Journal of Structural Engineering*, **2019**, 145, 04019153	3	2
38	Macromodeling approach for pushover analysis of textile-reinforced mortar-strengthened masonry **2019**, 745-778		2
37	Probabilistic structural assessment of railway masonry arch bridges **2015**,		2
36	Durability of FRP-strengthening masonry bricks under hygrothermal conditions **2016**, 419-424		2
35	PREVENTIVE CONSERVATION OF VERNACULAR ADOBE HERITAGE LOCATED IN SEISMIC-PRONE REGIONS. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*,XLIV-M-1-2020, 855-860	2.5	2
34	HeritageCare: "Prevenir mejor que curar". *PH*,16-18		2
33	IN-PLANE BEHAVIOUR OF EARTHEN MATERIALS: A NUMERICAL COMPARISON BETWEEN ADOBE MASONRY, RAMMED EARTH AND COB **2017**,		2
32	Human error impact in structural safety of a reinforced concrete bridge. *Structure and Infrastructure Engineering*,1-15	2.9	2
31	Experimental Characterization of Masonry Panels Strengthened with NFRCM. *Key Engineering Materials*,898, 43-48	0.4	2
30	Human Error□nduced Risk in Reinforced Concrete Bridge Engineering. *Journal of Performance of Constructed Facilities*, **2021**, 35,	2	2

29	Experimental Shear Behaviour of Rammed Earth Strengthened with a TRM-Based Compatible Technique. *Key Engineering Materials*, **2019**, 817, 544-551	0.4	1
28	Application of Acoustic Emission Technique for Bond Characterization in FRP-Masonry Systems. *Key Engineering Materials*, **2014**, 624, 534-541	0.4	1
27	In-Plane Behavior of Clay Brick Masonry Wallets Strengthened by TRM System. *RILEM Bookseries*, **2022**, 143-151	0.5	1
26	A multi-level investigation on the mechanical response of TRM-strengthened masonry. *Materials and Structures/Materiaux Et Constructions*, **2021**, 54, 1	3.4	1
25	On the Mechanical Behavior of Masonry. *Advances in Civil and Industrial Engineering Book Series*, **2016**, 1-27	0.5	1
24	An analytical bond stress-slip model for a TRM composite compatible with rammed earth. *Construction and Building Materials*, **2021**, 310, 125228	6.7	1
23	Assessment of a Medieval Arch Bridge Resorting to Non-destructive Techniques and Numerical Tools. *Structural Integrity*, **2020**, 464-472	0.2	1
22	Natural and Synthetic Consolidants for Earth Heritage: A Review. *RILEM Bookseries*, **2019**, 2007-2015	0.5	1
21	Mechanical performance of compressed earth block masonry using granitic residual soils **2016**, 865-872		1
20	Robustness-based assessment of railway masonry arch bridges **2017**,		1
19	A TRM-Based Compatible Strengthening Solution for Rammed Earth Heritage: Investigation of the Bond Behavior. *RILEM Bookseries*, **2019**, 1594-1602	0.5	1
18	Numerical Investigation of the In-Plane seismic Performance of Unstrengthened and TRM-Strengthened Rammed Earth Walls. *International Journal of Architectural Heritage*, **2021**, 15, 548-566	2.1	1
17	Insight into the Effects of Solvent Treatment of Natural Fibers Prior to Structural Composite Casting: Chemical, Physical and Mechanical Evaluation. *Fibers*, **2021**, 9, 54	3.7	1
16	Integration of Laser Scanning Technologies and 360° Photography for the Digital Documentation and Management of Cultural Heritage Buildings. *International Journal of Architectural Heritage*,1-20	2.1	1
15	An Analytical Approach for Pull-Out Behavior of TRM-Strengthened Rammed Earth Elements. *RILEM Bookseries*, **2022**, 291-302	0.5	0
14	Performance of rammed earth subjected to in-plane cyclic displacement. *Materials and Structures/Materiaux Et Constructions*, **2022**, 55, 1	3.4	0
13	Influence of freeze–thaw cycles on the pull-out response of lime-based TRM composites. *Construction and Building Materials*, **2021**, 313, 125473	6.7	0
12	Seismic Assessment of Earthen Structures. *RILEM State-of-the-Art Reports*, **2022**, 181-210	1.3	0

11	Cyclic Load Effects on the Bond Behavior of Textile Reinforced Mortar (TRM) Composites. *Key Engineering Materials*,916, 74-81	0.4	0
10	Preliminary Results on Natural Aging of GFRP-Reinforced Masonry Components Exposed to Outdoor Environmental Conditions. *Key Engineering Materials*,916, 11-18	0.4	0
9	The Potential of Beeswax Colloidal Emulsion/Films for Hydrophobization of Natural Fibers Prior to NTRM Manufacturing. *Key Engineering Materials*,916, 82-90	0.4	0
8	Pushover analysis of fiber-reinforced polymer-strengthened masonry **2019**, 629-657		
7	Strengthening of masonry vaults with transversal diaphragms: a numerical approach. *International Journal of Masonry Research and Innovation*, **2017**, 2, 241	1.2	
6	Freeze-thaw durability of glass textile-reinforced mortar composites **2020**, 1068-1073		
5	Bond behaviour in lime-based textile reinforced mortars **2020**, 84-88		
4	Tensile and Bond Characterization of Natural Fibers Embeeded in Inorganic Matrices. *RILEM Bookseries*, **2016**, 305-314	0.5	
3	Seismic design of tension wall-diaphragm anchorage for historical unreinforced masonry buildings **2016**, 1590-1597		
2	Tensile Behavior of Textile-Reinforced Mortar: Influence of the Number of Layers and their Arrangement. *Key Engineering Materials*,916, 91-97	0.4	
1	Numerical Investigation of a Medieval Masonry Arch Bridge Based on a Discrete Macro-element Modeling Approach. *Lecture Notes in Civil Engineering*, **2022**, 594-603	0.3	