

# Daniel V Oliveira

## 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.

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	An Analytical Approach for Pull-Out Behavior of TRM-Strengthened Rammed Earth Elements. <i>RILEM Bookseries</i> , <b>2022</b> , 291-302	0.5	0
135	In-Plane Behavior of Clay Brick Masonry Wallets Strengthened by TRM System. <i>RILEM Bookseries</i> , <b>2022</b> , 143-151	0.5	1
134	Performance of rammed earth subjected to in-plane cyclic displacement. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2022</b> , 55, 1	3.4	0
133	Seismic Assessment of Earthen Structures. <i>RILEM State-of-the-Art Reports</i> , <b>2022</b> , 181-210	1.3	0
132	Numerical Investigation of a Medieval Masonry Arch Bridge Based on a Discrete Macro-element Modeling Approach. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 594-603	0.3	
131	Influence of freeze-thaw cycles on the pull-out response of lime-based TRM composites. <i>Construction and Building Materials</i> , <b>2021</b> , 313, 125473	6.7	0
130	A multi-level investigation on the mechanical response of TRM-strengthened masonry. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2021</b> , 54, 1	3.4	1
129	A Parametric Scan-to-FEM Framework for the Digital Twin Generation of Historic Masonry Structures. <i>Sustainability</i> , <b>2021</b> , 13, 11088	3.6	12
128	An analytical bond stress-slip model for a TRM composite compatible with rammed earth. <i>Construction and Building Materials</i> , <b>2021</b> , 310, 125228	6.7	1
127	Slip rate effects and cyclic behaviour of textile-to-matrix bond in textile reinforced mortar composites. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2021</b> , 54, 1	3.4	3
126	Textile-to-mortar bond behavior: An analytical study. <i>Construction and Building Materials</i> , <b>2021</b> , 282, 122639	3.9	4
125	Probabilistic-based structural assessment of a historic stone arch bridge. <i>Structure and Infrastructure Engineering</i> , <b>2021</b> , 17, 379-391	2.9	5
124	Experimental characterization of adobe vaults strengthened with a TRM-based compatible composite. <i>Construction and Building Materials</i> , <b>2021</b> , 271, 121568	6.7	3
123	Aging of lime-based TRM composites under natural environmental conditions. <i>Construction and Building Materials</i> , <b>2021</b> , 270, 121853	6.7	7
122	Numerical Investigation of the In-Plane seismic Performance of Unstrengthened and TRM-Strengthened Rammed Earth Walls. <i>International Journal of Architectural Heritage</i> , <b>2021</b> , 15, 548-566 <sup>2,1</sup>		1
121	Human Error-Induced Risk in Reinforced Concrete Bridge Engineering. <i>Journal of Performance of Constructed Facilities</i> , <b>2021</b> , 35,	2	2
120	Insight into the Effects of Solvent Treatment of Natural Fibers Prior to Structural Composite Casting: Chemical, Physical and Mechanical Evaluation. <i>Fibers</i> , <b>2021</b> , 9, 54	3.7	1

119	The Use of Contact Sponge Method to Measure Water Absorption in Earthen Heritage Treated with Water Repellents. <i>International Journal of Architectural Heritage</i> , <b>2020</b> , 1-12	2.1	4
118	The use of natural fibers in repairing and strengthening of cultural heritage buildings. <i>Materials Today: Proceedings</i> , <b>2020</b> , 31, S321-S328	1.4	6
117	Web-GIS approach to preventive conservation of heritage buildings. <i>Automation in Construction</i> , <b>2020</b> , 118, 103304	9.6	21
116	Physical and mechanical characterization of vernacular dry stone heritage materials: Schist and granite from Northwest Portugal. <i>Construction and Building Materials</i> , <b>2020</b> , 259, 119705	6.7	6
115	Assessment of a Medieval Arch Bridge Resorting to Non-destructive Techniques and Numerical Tools. <i>Structural Integrity</i> , <b>2020</b> , 464-472	0.2	1
114	Freeze-thaw durability of glass textile-reinforced mortar composites <b>2020</b> , 1068-1073		
113	Bond behaviour in lime-based textile reinforced mortars <b>2020</b> , 84-88		
112	Expeditious damage index for arched structures based on dynamic identification testing. <i>Construction and Building Materials</i> , <b>2020</b> , 265, 120236	6.7	9
111	Analytical Modeling of the Bond Behavior between ?Textile ?and Mortar Based on Pull-Out ?Tests. <i>Key Engineering Materials</i> , <b>2019</b> , 817, 112-117	0.4	3
110	Textile-to-mortar bond behaviour in lime-based textile reinforced mortars. <i>Construction and Building Materials</i> , <b>2019</b> , 227, 116682	6.7	15
109	Experimental Shear Behaviour of Rammed Earth Strengthened with a TRM-Based Compatible Technique. <i>Key Engineering Materials</i> , <b>2019</b> , 817, 544-551	0.4	1
108	Nonlinear Dynamic Analysis for Safety Assessment of Heritage Buildings: Church of Santa Maria de Bellh. <i>Journal of Structural Engineering</i> , <b>2019</b> , 145, 04019153	3	2
107	A Digital-based Integrated Methodology for the Preventive Conservation of Cultural Heritage: The Experience of HeritageCare Project. <i>International Journal of Architectural Heritage</i> , <b>2019</b> , 1-20	2.1	16
106	Static Behavior of Cob: Experimental Testing and Finite-Element Modeling. <i>Journal of Materials in Civil Engineering</i> , <b>2019</b> , 31, 04019021	3	7
105	ONE-SIDED rocking analysis of corner mechanisms in masonry structures: Influence of geometry, energy dissipation, boundary conditions. <i>Soil Dynamics and Earthquake Engineering</i> , <b>2019</b> , 123, 357-370	3.5	25
104	Macromodeling approach for pushover analysis of textile-reinforced mortar-strengthened masonry <b>2019</b> , 745-778		2
103	Pushover analysis of fiber-reinforced polymer-strengthened masonry <b>2019</b> , 629-657		
102	Experimental Investigation on the Bond Behavior of a Compatible TRM-based Solution for Rammed Earth Heritage. <i>International Journal of Architectural Heritage</i> , <b>2019</b> , 13, 1042-1060	2.1	7

101	Experimental tests for the characterization of sisal fiber reinforced cementitious matrix for strengthening masonry structures. <i>Construction and Building Materials</i> , <b>2019</b> , 219, 44-55	6.7	36
100	Numerical modeling of the seismic out-of-plane response of a plain and TRM-strengthened rammed earth subassembly. <i>Engineering Structures</i> , <b>2019</b> , 193, 43-56	4.7	12
99	Bond behavior degradation between FRP and masonry under aggressive environmental conditions. <i>Mechanics of Advanced Materials and Structures</i> , <b>2019</b> , 26, 6-14	1.8	11
98	Seismic Evaluation and Strengthening of an Existing Masonry Building in Sarajevo, B&H. <i>Buildings</i> , <b>2019</b> , 9, 30	3.2	8
97	Wall-to-horizontal diaphragm connections in historical buildings: A state-of-the-art review. <i>Engineering Structures</i> , <b>2019</b> , 199, 109559	4.7	18
96	Natural and Synthetic Consolidants for Earth Heritage: A Review. <i>RILEM Bookseries</i> , <b>2019</b> , 2007-2015	0.5	1
95	Shear strengthening of masonry wallettes resorting to structural repointing and FRCM composites. <i>Construction and Building Materials</i> , <b>2019</b> , 206, 19-34	6.7	31
94	A TRM-Based Compatible Strengthening Solution for Rammed Earth Heritage: Investigation of the Bond Behavior. <i>RILEM Bookseries</i> , <b>2019</b> , 1594-1602	0.5	1
93	The Application of Sonic Testing on Double-Leaf Historical Portuguese Masonry to Obtain Morphology and Mechanical Properties. <i>RILEM Bookseries</i> , <b>2019</b> , 661-668	0.5	5
92	Effect of test setup on the fiber-to-mortar pull-out response in TRM composites: Experimental and analytical modeling. <i>Composites Part B: Engineering</i> , <b>2018</b> , 143, 250-268	10	34
91	Evaluating the seismic behaviour of rammed earth buildings from Portugal: From simple tools to advanced approaches. <i>Engineering Structures</i> , <b>2018</b> , 157, 144-156	4.7	27
90	Seismic performance of historical vaulted adobe constructions: a numerical case study from Yazd, Iran. <i>International Journal of Architectural Heritage</i> , <b>2018</b> , 12, 879-897	2.1	10
89	Fiber-to-mortar bond behavior in TRM composites: Effect of embedded length and fiber configuration. <i>Composites Part B: Engineering</i> , <b>2018</b> , 152, 43-57	10	33
88	Recommendation of RILEM Technical Committee 250-CSM: Test method for Textile Reinforced Mortar to substrate bond characterization. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2018</b> , 51, 1	3.4	81
87	Vernacular schist farm walls: materials, construction techniques and sustainable rebuilding solutions. <i>Journal of Building Engineering</i> , <b>2018</b> , 15, 334-352	5.2	10
86	Comparison of the performance of hydraulic lime- and clay-based grouts in the repair of rammed earth. <i>Construction and Building Materials</i> , <b>2018</b> , 193, 384-394	6.7	11
85	Modelling the nonlinear behaviour of masonry walls strengthened with textile reinforced mortars. <i>Engineering Structures</i> , <b>2017</b> , 134, 11-24	4.7	50
84	Probabilistic-based assessment of a masonry arch bridge considering inferential procedures. <i>Engineering Structures</i> , <b>2017</b> , 134, 61-73	4.7	17

83	ICEBs stabilised with alkali-activated fly ash as a renewed approach for green building: Exploitation of the masonry mechanical performance. <i>Construction and Building Materials</i> , <b>2017</b> , 155, 65-78	6.7	23
82	Structural assessment of masonry arch bridges by combination of non-destructive testing techniques and three-dimensional numerical modelling: Application to Vilanova bridge. <i>Engineering Structures</i> , <b>2017</b> , 148, 621-638	4.7	61
81	Experimental and Numerical Investigations on the Behaviour of Masonry Walls Reinforced with an Innovative Sisal FRCM System. <i>Key Engineering Materials</i> , <b>2017</b> , 747, 190-195	0.4	16
80	Characterization of a Compatible Low Cost Strengthening Solution Based on the TRM Technique for Rammed Earth. <i>Key Engineering Materials</i> , <b>2017</b> , 747, 150-157	0.4	9
79	Modelling of the In-Plane and Out-of-Plane Performance of TRM-Strengthened Masonry Walls. <i>Key Engineering Materials</i> , <b>2017</b> , 747, 60-68	0.4	8
78	Glass fabric reinforced cementitious matrix: Tensile properties and bond performance on masonry substrate. <i>Composites Part B: Engineering</i> , <b>2017</b> , 127, 196-214	10	132
77	Strengthening of masonry vaults with transversal diaphragms: a numerical approach. <i>International Journal of Masonry Research and Innovation</i> , <b>2017</b> , 2, 241	1.2	
76	IN-PLANE BEHAVIOUR OF EARTHEN MATERIALS: A NUMERICAL COMPARISON BETWEEN ADOBE MASONRY, RAMMED EARTH AND COB <b>2017</b> ,		2
75	Robustness-based assessment of railway masonry arch bridges <b>2017</b> ,		1
74	Repair of composite-to-masonry bond using flexible matrix. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2016</b> , 49, 2563-2580	3.4	33
73	Multi-level characterization of steel reinforced mortars for strengthening of masonry structures. <i>Materials and Design</i> , <b>2016</b> , 110, 903-913	8.1	32
72	Effectiveness of the repair of unstabilised rammed earth with injection of mud grouts. <i>Construction and Building Materials</i> , <b>2016</b> , 127, 861-871	6.7	24
71	Automatic Morphologic Analysis of Quasi-Periodic Masonry Walls from LiDAR. <i>Computer-Aided Civil and Infrastructure Engineering</i> , <b>2016</b> , 31, 305-319	8.4	39
70	Effect of Environmental Aging on the Numerical Response of FRP-Strengthened Masonry Walls. <i>Journal of Structural Engineering</i> , <b>2016</b> , 142, 04015087	3	9
69	Moisture-induced degradation of interfacial bond in FRP-strengthened masonry. <i>Composites Part B: Engineering</i> , <b>2016</b> , 87, 47-58	10	38
68	FRP/Brick masonry bond degradation under hygrothermal conditions. <i>Composite Structures</i> , <b>2016</b> , 147, 143-154	5.3	40
67	Development and characterization of novel auxetic structures based on re-entrant hexagon design produced from braided composites. <i>Composites Part B: Engineering</i> , <b>2016</b> , 93, 132-142	10	27
66	Numerical analysis of the in-plane behaviour of TRM-strengthened masonry walls <b>2016</b> , 365-371		3

65	Durability of FRP-strengthening masonry bricks under hygrothermal conditions <b>2016</b> , 419-424		2
64	On the Mechanical Behavior of Masonry. <i>Advances in Civil and Industrial Engineering Book Series</i> , <b>2016</b> , 1-27	0.5	1
63	Tensile and Bond Characterization of Natural Fibers Embeeded in Inorganic Matrices. <i>RILEM Bookseries</i> , <b>2016</b> , 305-314	0.5	
62	Seismic design of tension wall-diaphragm anchorage for historical unreinforced masonry buildings <b>2016</b> , 1590-1597		
61	Mechanical performance of compressed earth block masonry using granitic residual soils <b>2016</b> , 865-872		1
60	Development, characterization and analysis of auxetic structures from braided composites and study the influence of material and structural parameters. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2016</b> , 87, 86-97	8.4	24
59	Reliability-based assessment of existing masonry arch railway bridges. <i>Construction and Building Materials</i> , <b>2016</b> , 115, 544-554	6.7	31
58	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. <i>Composites Part B: Engineering</i> , <b>2016</b> , 103, 1-14	10	43
57	Assessing the production of jet mix columns using alkali activated waste based on mechanical and financial performance and CO <sub>2</sub> (eq) emissions. <i>Journal of Cleaner Production</i> , <b>2015</b> , 102, 447-460	10.3	35
56	Mechanical performance of natural fiber-reinforced composites for the strengthening of masonry. <i>Composites Part B: Engineering</i> , <b>2015</b> , 77, 74-83	10	105
55	Mechanical characterisation of dry-stack masonry made of CEBs stabilised with alkaline activation. <i>Construction and Building Materials</i> , <b>2015</b> , 75, 349-358	6.7	23
54	Accelerated Hygrothermal Aging of Bond in FRP/Masonry Systems. <i>Journal of Composites for Construction</i> , <b>2015</b> , 19, 04014051	3.3	19
53	Design Parameters for Seismically Retrofitted Masonry-to-Timber Connections: Injection Anchors. <i>International Journal of Architectural Heritage</i> , <b>2015</b> ,	2.1	3
52	Probabilistic structural assessment of railway masonry arch bridges <b>2015</b> ,		2
51	Evaluation of the bond performance in FRP/Brick components re-bonded after initial delamination. <i>Composite Structures</i> , <b>2015</b> , 123, 271-281	5.3	24
50	Static behaviour of rammed earth: experimental testing and finite element modelling. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2015</b> , 48, 3443-3456	3.4	71
49	Numerical modelling and parametric analysis of bond strength of masonry members retrofitted with FRP. <i>Construction and Building Materials</i> , <b>2014</b> , 73, 713-727	6.7	7
48	Numerical study on the performance of improved masonry-to-timber connections in traditional masonry buildings. <i>Engineering Structures</i> , <b>2014</b> , 80, 501-513	4.7	12

47	Hygrothermal durability of bond in FRP-strengthened masonry. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2014</b> , 47, 2039-2050	3.4	18
46	The effect of skew angle on the mechanical behaviour of masonry arches. <i>Mechanics Research Communications</i> , <b>2014</b> , 61, 53-59	2.2	41
45	Experimental behavior of masonry wall-to-timber elements connections strengthened with injection anchors. <i>Engineering Structures</i> , <b>2014</b> , 81, 98-109	4.7	28
44	FRP-to-Masonry Bond Durability Assessment with Infrared Thermography Method. <i>Journal of Nondestructive Evaluation</i> , <b>2014</b> , 33, 427-437	2.1	17
43	Mortar-based systems for externally bonded strengthening of masonry. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2014</b> , 47, 2021-2037	3.4	166
42	Characterization of debonding in FRP-strengthened masonry using the acoustic emission technique. <i>Engineering Structures</i> , <b>2014</b> , 66, 24-34	4.7	43
41	Experimental characterization of physical and mechanical properties of schist from Portugal. <i>Construction and Building Materials</i> , <b>2014</b> , 50, 617-630	6.7	9
40	Bond behavior of SRG-strengthened masonry units: Testing and numerical modeling. <i>Construction and Building Materials</i> , <b>2014</b> , 64, 387-397	6.7	63
39	Application of Acoustic Emission Technique for Bond Characterization in FRP-Masonry Systems. <i>Key Engineering Materials</i> , <b>2014</b> , 624, 534-541	0.4	1
38	Development of novel auxetic structures based on braided composites. <i>Materials &amp; Design</i> , <b>2014</b> , 61, 286-295		62
37	Conservation and New Construction Solutions in Rammed Earth. <i>Building Pathology and Rehabilitation</i> , <b>2014</b> , 77-108	0.2	8
36	Characterization of the response of quasi-periodic masonry: Geometrical investigation, homogenization and application to the Guimarães castle, Portugal. <i>Engineering Structures</i> , <b>2013</b> , 56, 621-641	4.7	24
35	Application of digital image correlation in investigating the bond between FRP and masonry. <i>Composite Structures</i> , <b>2013</b> , 106, 340-349	5.3	91
34	Rheological properties of alkaline activated fly ash used in jet grouting applications. <i>Construction and Building Materials</i> , <b>2013</b> , 48, 925-933	6.7	44
33	Simplified indexes for the seismic assessment of masonry buildings: International database and validation. <i>Engineering Failure Analysis</i> , <b>2013</b> , 34, 585-605	3.2	47
32	Pushover analysis and failure pattern of a typical masonry residential building in Bosnia and Herzegovina. <i>Engineering Structures</i> , <b>2013</b> , 50, 13-29	4.7	22
31	Water degrading effects on the bond behavior in FRP-strengthened masonry. <i>Composites Part B: Engineering</i> , <b>2013</b> , 54, 11-19	10	63
30	Rammed earth construction with granitic residual soils: The case study of northern Portugal. <i>Construction and Building Materials</i> , <b>2013</b> , 47, 181-191	6.7	67



29	Numerical study of the role of mortar joints in the bond behavior of FRP-strengthened masonry. <i>Composites Part B: Engineering</i> , <b>2013</b> , 46, 21-30	10	61
28	Fibrous and composite materials for blast protection of structural elements: A state-of-the-art review. <i>Journal of Reinforced Plastics and Composites</i> , <b>2013</b> , 32, 1477-1500	2.9	20
27	Experimental Behavior of Natural Fiber-Based Composites Used for Strengthening Masonry Structures. <i>Conference Papers in Materials Science</i> , <b>2013</b> , 2013, 1-6		9
26	Soil stabilisation using alkaline activation of fly ash for self compacting rammed earth construction. <i>Construction and Building Materials</i> , <b>2012</b> , 36, 727-735	6.7	121
25	Numerical analysis of bond behavior between masonry bricks and composite materials. <i>Engineering Structures</i> , <b>2012</b> , 43, 210-220	4.7	78
24	Strengthening of three-leaf stone masonry walls: an experimental research. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2012</b> , 45, 1259-1276	3.4	44
23	Round Robin Test for composite-to-brick shear bond characterization. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2012</b> , 45, 1761-1791	3.4	152
22	On the development of unmodified mud grouts for repairing earth constructions: rheology, strength and adhesion. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2012</b> , 45, 1497-1512	3.4	22
21	Seismic Assessment of St James Church by Means of Pushover Analysis Before and After the New Zealand Earthquake. <i>Open Civil Engineering Journal</i> , <b>2012</b> , 6, 160-172	0.8	15
20	Experimental Bond Behavior of FRP Sheets Glued on Brick Masonry. <i>Journal of Composites for Construction</i> , <b>2011</b> , 15, 32-41	3.3	85
19	Shear capacity assessment of tuff panels strengthened with FRP diagonal layout. <i>Composites Part B: Engineering</i> , <b>2011</b> , 42, 1956-1965	10	16
18	Analysis of Masonry Structures Without Box Behavior. <i>International Journal of Architectural Heritage</i> , <b>2011</b> , 5, 369-382	2.1	155
17	Experimental Behavior of FRP Strengthened Masonry Arches. <i>Journal of Composites for Construction</i> , <b>2010</b> , 14, 312-322	3.3	107
16	Numerical models for the seismic assessment of an old masonry tower. <i>Engineering Structures</i> , <b>2010</b> , 32, 1466-1478	4.7	163
15	Geometric issues and ultimate load capacity of masonry arch bridges from the northwest Iberian Peninsula. <i>Engineering Structures</i> , <b>2010</b> , 32, 3955-3965	4.7	74
14	Cyclic behaviour of stone and brick masonry under uniaxial compressive loading. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2007</b> , 39, 247-257	3.4	43
13	Dry Joint Stone Masonry Walls Subjected to In-Plane Combined Loading. <i>Journal of Structural Engineering</i> , <b>2005</b> , 131, 1665-1673	3	91
12	Implementation and validation of a constitutive model for the cyclic behaviour of interface elements. <i>Computers and Structures</i> , <b>2004</b> , 82, 1451-1461	4.5	89



11	PREVENTIVE CONSERVATION OF VERNACULAR ADOBE HERITAGE LOCATED IN SEISMIC-PRONE REGIONS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> ,XLIV-M-1-2020, 855-860	2.5	2
10	HeritageCare: "Prevenir mejor que curar". <i>PH</i> ,16-18		2
9	Modelling the Structural Behaviour of Rammed Earth Components		4
8	Development and Demonstration of an HBIM Framework for the Preventive Conservation of Cultural Heritage. <i>International Journal of Architectural Heritage</i> ,1-23	2.1	7
7	Human error impact in structural safety of a reinforced concrete bridge. <i>Structure and Infrastructure Engineering</i> ,1-15	2.9	2
6	Experimental Characterization of Masonry Panels Strengthened with NFRMC. <i>Key Engineering Materials</i> ,898, 43-48	0.4	2
5	Tensile Behavior of Textile-Reinforced Mortar: Influence of the Number of Layers and their Arrangement. <i>Key Engineering Materials</i> ,916, 91-97	0.4	
4	Cyclic Load Effects on the Bond Behavior of Textile Reinforced Mortar (TRM) Composites. <i>Key Engineering Materials</i> ,916, 74-81	0.4	0
3	Preliminary Results on Natural Aging of GFRP-Reinforced Masonry Components Exposed to Outdoor Environmental Conditions. <i>Key Engineering Materials</i> ,916, 11-18	0.4	0
2	The Potential of Beeswax Colloidal Emulsion/Films for Hydrophobization of Natural Fibers Prior to NTRM Manufacturing. <i>Key Engineering Materials</i> ,916, 82-90	0.4	0
1	Integration of Laser Scanning Technologies and 360° Photography for the Digital Documentation and Management of Cultural Heritage Buildings. <i>International Journal of Architectural Heritage</i> ,1-20	2.1	1