

# Manuel Cabaleiro

## 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.

21  
papers

183  
citations

9  
h-index

13  
g-index

26  
ext. papers

248  
ext. citations

4.4  
avg, IF

3.39  
L-index

#	Paper	IF	Citations
21	Experimental Analysis of the Bending Behavior of Structural Metal Joints Based on the Use of Girder Clamps to Service Life Extension of Existing Structures. <i>RILEM Bookseries</i> , <b>2022</b> , 1-9	0.5	
20	Apparent and resistant section parametric modelling of timber structures in HBIM. <i>Journal of Building Engineering</i> , <b>2022</b> , 49, 103990	5.2	3
19	Structural health control of historical steel structures using HBIM. <i>Automation in Construction</i> , <b>2022</b> , 140, 104308	9.6	0
18	Automatic Identification and Geometrical Modeling of Steel Rivets of Historical Structures from Lidar Data. <i>Remote Sensing</i> , <b>2021</b> , 13, 2108	5	2
17	Combination of laser scanner and drilling resistance tests to measure geometry change for structural assessment of timber beams exposed to fire. <i>Journal of Building Engineering</i> , <b>2021</b> , 40, 102365 <sup>5.2</sup>		3
16	First results of a methodology to obtain a 1D variable geometry model for the structural analysis of corroded steel beams from the point cloud. <i>Structures</i> , <b>2021</b> , 33, 3257-3268	3.4	2
15	HBIM for storing life-cycle data regarding decay and damage in existing timber structures. <i>Automation in Construction</i> , <b>2020</b> , 117, 103262	9.6	20
14	Analysis of steel connections with girder clamps according to the bolts preload. <i>Journal of Constructional Steel Research</i> , <b>2020</b> , 168, 105866	3.8	0
13	A case study of measurements of deformations due to different loads in pieces less than 1 m from lidar data. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 151, 107196	4.6	8
12	Tridimensional parametric model for prediction of structural safety of existing timber roofs using laser scanner and drilling resistance tests. <i>Engineering Structures</i> , <b>2019</b> , 185, 58-67	4.7	13
11	Automated Inspection of Railway Tunnels Power Line Using LiDAR Point Clouds. <i>Remote Sensing</i> , <b>2019</b> , 11, 2567	5	15
10	Analyzing the effective length of I cross-section beams in connections with girder clamps for totally removable, reusable and reconfigurable structures. <i>Procedia Manufacturing</i> , <b>2019</b> , 41, 90-97	1.5	0
9	Parameterization of Structural Faults in Large Historical Constructions for Further Structural Modelling Thanks to Laser Scanning Technology and Computer Vision Algorithms. <i>RILEM Bookseries</i> , <b>2019</b> , 351-359	0.5	
8	First results on the combination of laser scanner and drilling resistance tests for the assessment of the geometrical condition of irregular cross-sections of timber beams. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2018</b> , 51, 1	3.4	12
7	Analytical T-stub model for the analysis of clamps in structural metal joints. <i>Journal of Constructional Steel Research</i> , <b>2017</b> , 130, 138-147	3.8	8
6	Algorithm for the analysis of the geometric properties of cross-sections of timber beams with lack of material from LIDAR data. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2016</b> , 49, 4265-4278	3.4	11
5	Algorithm for the analysis of deformations and stresses due to torsion in a metal beam from LIDAR data. <i>Structural Control and Health Monitoring</i> , <b>2016</b> , 23, 1032-1046	4.5	11

4	Geometrical Issues on the Structural Analysis of Transmission Electricity Towers Thanks to Laser Scanning Technology and Finite Element Method. <i>Remote Sensing</i> , <b>2015</b> , 7, 11551-11569	5	13
3	Algorithm for beam deformation modeling from LiDAR data. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2015</b> , 76, 20-31	4.6	30
2	Automatic 3D modelling of metal frame connections from LiDAR data for structural engineering purposes. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , <b>2014</b> , 96, 47-56	11.8	32
1	HBIM Application in Historic Timber Structures: A Systematic Review. <i>International Journal of Architectural Heritage</i> , 1-15	2.1	0