

Manuel Cabaleiro

List of Publications by Year in descending order

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papers

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citations

840119

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26
all docs

26
docs citations

26
times ranked

257
citing authors

#	ARTICLE	IF	CITATIONS
1	Automatic 3D modelling of metal frame connections from LiDAR data for structural engineering purposes. ISPRS Journal of Photogrammetry and Remote Sensing, 2014, 96, 47-56.	4.9	43
2	Algorithm for beam deformation modeling from LiDAR data. Measurement: Journal of the International Measurement Confederation, 2015, 76, 20-31.	2.5	42
3	HBIM for storing life-cycle data regarding decay and damage in existing timber structures. Automation in Construction, 2020, 117, 103262.	4.8	41
4	Automated Inspection of Railway Tunnelsâ€™ Power Line Using LiDAR Point Clouds. Remote Sensing, 2019, 11, 2567.	1.8	26
5	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. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	1.3	24
6	Tridimensional parametric model for prediction of structural safety of existing timber roofs using laser scanner and drilling resistance tests. Engineering Structures, 2019, 185, 58-67.	2.6	20
7	Algorithm for the analysis of the geometric properties of cross-sections of timber beams with lack of material from LIDAR data. Materials and Structures/Materiaux Et Constructions, 2016, 49, 4265-4278.	1.3	17
8	Algorithm for the analysis of deformations and stresses due to torsion in a metal beam from LIDAR data. Structural Control and Health Monitoring, 2016, 23, 1032-1046.	1.9	17
9	Geometrical Issues on the Structural Analysis of Transmission Electricity Towers Thanks to Laser Scanning Technology and Finite Element Method. Remote Sensing, 2015, 7, 11551-11569.	1.8	16
10	Analytical T-stub model for the analysis of clamps in structural metal joints. Journal of Constructional Steel Research, 2017, 130, 138-147.	1.7	15
11	A case study of measurements of deformations due to different loads in pieces less than 1â€™m from lidar data. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107196.	2.5	11
12	Structural health control of historical steel structures using HBIM. Automation in Construction, 2022, 140, 104308.	4.8	11
13	Analysis of steel connections with girder clamps according to the bolts preload. Journal of Constructional Steel Research, 2020, 168, 105866.	1.7	8
14	Apparent and resistant section parametric modelling of timber structures in HBIM. Journal of Building Engineering, 2022, 49, 103990.	1.6	8
15	Automatic Identification and Geometrical Modeling of Steel Rivets of Historical Structures from Lidar Data. Remote Sensing, 2021, 13, 2108.	1.8	4
16	Analysis of Stiffness of Clamped Joints versus Bolted Joints in Steel Structures by Means of Accelerometers and Shaking Table Tests. Sensors, 2021, 21, 4778.	2.1	4
17	Analytical Model for the Fatigue Analysis of Steel Joints by Clamps According to the Lever Length. Materials, 2021, 14, 7726.	1.3	4
18	HBIM Application in Historic Timber Structures: A Systematic Review. International Journal of Architectural Heritage, 0, , 1-15.	1.7	4

#	ARTICLE	IF	CITATIONS
19	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> , 2019, 41, 90-97.	1.9	3
20	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> , 2021, 40, 102365.	1.6	3
21	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> , 2021, 33, 3257-3268.	1.7	3
22	Use of BIM in rehabilitation and assessment of the built heritage: from the visible to the intangible. , 2019, , .		1
23	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> , 2019, , 351-359.	0.2	0
24	Reliability-based structural assessment of a historical steel railway bridge. , 2021, , .		0
25	HBIM Application to Historical Steel Structures: the Case Study of Lapela Bridge. , 0, , .		0