Ana Sánchez Rodríguez

List of Publications by Year
in descending order

20 papers	359 citations	1040056 9 h-index	1058476 14 g-index
20 all docs	20 docs citations	20 times ranked	304 citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive feature-conserving compression for large scale point clouds. Advanced Engineering Informatics, 2021, 48, 101236.	8.0	5
2	Automatic Identification and Geometrical Modeling of Steel Rivets of Historical Structures from Lidar Data. Remote Sensing, 2021, 13, 2108.	4.0	4
3	Fully automated methodology for the delineation of railway lanes and the generation of IFC alignment models using 3D point cloud data. Automation in Construction, 2021, 126, 103684.	9.8	23
4	Scan-to-BIM for the infrastructure domain: Generation of IFC-compliant models of road infrastructure assets and semantics using 3D point cloud data. Automation in Construction, 2021, 127, 103703.	9.8	36
5	A case study of measurements of deformations due to different loads in pieces less than 1 m from lidar data. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107196.	5.0	11
6	3D Point Cloud to BIM: Semi-Automated Framework to Define IFC Alignment Entities from MLS-Acquired LiDAR Data of Highway Roads. Remote Sensing, 2020, 12, 2301.	4.0	35
7	Assessment of a Medieval Arch Bridge Resorting to Non-destructive Techniques and Numerical Tools. Structural Integrity, 2020, , 464-472.	1.4	2
8	Automated Inspection of Railway Tunnels' Power Line Using LiDAR Point Clouds. Remote Sensing, 2019, 11, 2567.	4.0	26
9	Review of Laser Scanning Technologies and Their Applications for Road and Railway Infrastructure Monitoring. Infrastructures, 2019, 4, 58.	2.8	72
10	Laser scanning and its applications to damage detection and monitoring in masonry structures. , 2019, , 265-285.		5
11	Parameterization of Structural Faults in Large Historical Constructions for Further Structural Modelling Thanks to Laser Scanning Technology and Computer Vision Algorithms. RILEM Bookseries, 2019, , 351-359.	0.4	0
12	Laser scanning data for inverse problems in structural engineering. , 2019, , 215-230.		1
13	Detection of structural faults in piers of masonry arch bridges through automated processing of laser scanning data. Structural Control and Health Monitoring, 2018, 25, e2126.	4.0	27
14	Safety assessment on pedestrian crossing environments using MLS data. Accident Analysis and Prevention, 2018, 111, 328-337.	5.7	25
15	Automated detection and decomposition of railway tunnels from Mobile Laser Scanning Datasets. Automation in Construction, 2018, 96, 171-179.	9.8	49
16	Automatic Measurement of Water Height in the As Conchas (Spain) Reservoir Using Sentinel 2 and Aerial LiDAR Data. Remote Sensing, 2018, 10, 902.	4.0	2
17	Autonomous Point Cloud Acquisition of Unknown Indoor Scenes. ISPRS International Journal of Geo-Information, 2018, 7, 250.	2.9	9
18	POINTNET FOR THE AUTOMATIC CLASSIFICATION OF AERIAL POINT CLOUDS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, IV-2/W5, 445-452.	0.0	12

#	Article	IF	Citations
19	SEMANTIC SEGMENTATION OF POINT CLOUDS WITH POINTNET AND KPCONV ARCHITECTURES APPLIED TO RAILWAY TUNNELS. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-2-2020, 281-288.	0.0	12
20	APPLICATION OF MLS DATA TO THE ASSESSMENT OF SAFETY-RELATED FEATURES IN THE SURROUNDING AREA OF AUTOMATICALLY DETECTED PEDESTRIAN CROSSINGS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 1067-1074.	0.2	3