

Ana SÃ¡nchez RodrÃ¡-guez

List of Publications by Year in descending order

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20
papers

359
citations

1040056

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1058476

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g-index

20
all docs

20
docs citations

20
times ranked

304
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Laser Scanning Technologies and Their Applications for Road and Railway Infrastructure Monitoring. Infrastructures, 2019, 4, 58.	2.8	72
2	Automated detection and decomposition of railway tunnels from Mobile Laser Scanning Datasets. Automation in Construction, 2018, 96, 171-179.	9.8	49
3	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
4	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
5	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
6	Automated Inspection of Railway Tunnelsâ€™ Power Line Using LiDAR Point Clouds. Remote Sensing, 2019, 11, 2567.	4.0	26
7	Safety assessment on pedestrian crossing environments using MLS data. Accident Analysis and Prevention, 2018, 111, 328-337.	5.7	25
8	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
9	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
10	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
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.	5.0	11
12	Autonomous Point Cloud Acquisition of Unknown Indoor Scenes. ISPRS International Journal of Geo-Information, 2018, 7, 250.	2.9	9
13	Laser scanning and its applications to damage detection and monitoring in masonry structures. , 2019, , 265-285.		5
14	Adaptive feature-conserving compression for large scale point clouds. Advanced Engineering Informatics, 2021, 48, 101236.	8.0	5
15	Automatic Identification and Geometrical Modeling of Steel Rivets of Historical Structures from Lidar Data. Remote Sensing, 2021, 13, 2108.	4.0	4
16	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
17	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
18	Assessment of a Medieval Arch Bridge Resorting to Non-destructive Techniques and Numerical Tools. Structural Integrity, 2020, , 464-472.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Laser scanning data for inverse problems in structural engineering. , 2019, , 215-230.		1
20	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