Iván Puente

List of Publications by Year
in descending order

29 papers	978 citations	623188 14 h-index	610482 24 g-index
29 all docs	29 docs citations	29 times ranked	912 citing authors

#	Article	IF	Citations
1	Review of mobile mapping and surveying technologies. Measurement: Journal of the International Measurement Confederation, 2013, 46, 2127-2145.	2.5	308
2	Assessment of cracks on concrete bridges using image processing supported by laser scanning survey. Construction and Building Materials, 2017, 146, 668-678.	3.2	131
3	Accuracy verification of the Lynx Mobile Mapper system. Optics and Laser Technology, 2013, 45, 578-586.	2.2	65
4	A semi-automated method for extracting vertical clearance and cross sections in tunnels using mobile LiDAR data. Tunnelling and Underground Space Technology, 2016, 59, 48-54.	3.0	46
5	Automatic detection of road tunnel luminaires using a mobile LiDAR system. Measurement: Journal of the International Measurement Confederation, 2014, 47, 569-575.	2.5	42
6	Joint use of GPR, IRT and TLS techniques for the integral damage detection in paving. Construction and Building Materials, 2018, 174, 749-760.	3.2	42
7	Automatic classification of urban pavements using mobile LiDAR data and roughness descriptors. Construction and Building Materials, 2016, 102, 208-215.	3.2	41
8	Automatic segmentation of road overpasses and detection of mortar efflorescence using mobile LiDAR data. Optics and Laser Technology, 2013, 54, 353-361.	2.2	33
9	NDT Documentation and Evaluation of the Roman Bridge of Lugo Using GPR and Mobile and Static LiDAR. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	31
10	Efficient GPR data acquisition to detect underground pipes. NDT and E International, 2017, 91, 22-31.	1.7	31
11	Validation of mobile LiDAR surveying for measuring pavement layer thicknesses and volumes. NDT and E International, 2013, 60, 70-76.	1.7	28
12	A Building Information Modeling Approach to Integrate Geomatic Data for the Documentation and Preservation of Cultural Heritage. Remote Sensing, 2020, 12, 4028.	1.8	28
13	Reconstructing the Roman Site â€œAquis Querquennisâ€•(Bande, Spain) from GPR, T-LiDAR and IRT Data Fusion. Remote Sensing, 2018, 10, 379.	1.8	25
14	Novel image analysis approach to the terrestrial LiDAR monitoring of damage in rubble mound breakwaters. Ocean Engineering, 2014, 91, 273-280.	1.9	20
15	UAV Photogrammetry Application to the Monitoring of Rubble Mound Breakwaters. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	17
16	Quantification and mapping of deterioration patterns on granite surfaces by means of mobile LiDAR data. Measurement: Journal of the International Measurement Confederation, 2019, 140, 227-236.	2.5	14
17	Laser Scanning Technology: Fundamentals, Principles and Applications in Infrastructure. Structures and Infrastructures Series, 2016, , 7-33.	0.2	12
18	MONITORING OF PROGRESSIVE DAMAGE IN BUILDINGS USING LASER SCAN DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2, 923-929.	0.2	12

#	Article	IF	Citations
19	Automatic Registration of Mobile LiDAR Data Using High-Reflectivity Traffic Signs. Journal of Construction Engineering and Management - ASCE, 2016, 142, .	2.0	11
20	Terrestrial laser scanning for geometry extraction and change monitoring of rubble mound breakwaters. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, II-5, 289-295.	0.0	9
21	A Novel Baseline-Based Method to Detect Local Structural Changes in Masonry Walls Using Dense Terrestrial Laser Scanning Point Clouds. IEEE Sensors Journal, 2020, 20, 6504-6515.	2.4	8
22	Comparative study of deterioration forms on nearby granitic bridges from an urban setting in the NW Iberian Peninsula. Geomorphology, 2016, 274, 11-30.	1.1	7
23	A mobile android tool for simplified GPR data processing in construction applications. Automation in Construction, 2018, 89, 170-182.	4.8	6
24	Single‐Image Rectification Technique in Forensic Science. Journal of Forensic Sciences, 2013, 58, 459-464.	0.9	3
25	Tratamiento microbiano de aguas ácidas resultantes de la actividad minera: una revisión. Tecnologia Y Ciencias Del Agua, 2017, 08, 75-91.	0.1	3
26	Metrological evaluation of vessel-based mobile lidar for survey of coastal structures. International Journal of Remote Sensing, 2015, 36, 2622-2633.	1.3	2
27	AUTOMATIC THICKNESS AND VOLUME ESTIMATION OF SPRAYED CONCRETE ON ANCHORED RETAINING WALLS FROM TERRESTRIAL LIDAR DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B5, 521-526.	0.2	2
28	GPR detection of underground pipes. , 2017, , .		1
29	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.	0.2	0