

# Ivn Puente

## List of Publications by Citations

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28  
papers

656  
citations

12  
h-index

25  
g-index

29  
ext. papers

795  
ext. citations

3.9  
avg, IF

4.05  
L-index

| #  | Paper                                                                                                                                                                                                           | IF  | Citations |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 28 | Review of mobile mapping and surveying technologies. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2013</b> , 46, 2127-2145                                                   | 4.6 | 221       |
| 27 | Assessment of cracks on concrete bridges using image processing supported by laser scanning survey. <i>Construction and Building Materials</i> , <b>2017</b> , 146, 668-678                                     | 6.7 | 78        |
| 26 | Accuracy verification of the Lynx Mobile Mapper system. <i>Optics and Laser Technology</i> , <b>2013</b> , 45, 578-586                                                                                          | 4.2 | 56        |
| 25 | A semi-automated method for extracting vertical clearance and cross sections in tunnels using mobile LiDAR data. <i>Tunnelling and Underground Space Technology</i> , <b>2016</b> , 59, 48-54                   | 5.7 | 33        |
| 24 | Automatic detection of road tunnel luminaires using a mobile LiDAR system. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2014</b> , 47, 569-575                               | 4.6 | 31        |
| 23 | NDT Documentation and Evaluation of the Roman Bridge of Lugo Using GPR and Mobile and Static LiDAR. <i>Journal of Performance of Constructed Facilities</i> , <b>2015</b> , 29, 06014004                        | 2   | 26        |
| 22 | Automatic segmentation of road overpasses and detection of mortar efflorescence using mobile LiDAR data. <i>Optics and Laser Technology</i> , <b>2013</b> , 54, 353-361                                         | 4.2 | 26        |
| 21 | Automatic classification of urban pavements using mobile LiDAR data and roughness descriptors. <i>Construction and Building Materials</i> , <b>2016</b> , 102, 208-215                                          | 6.7 | 24        |
| 20 | Joint use of GPR, IRT and TLS techniques for the integral damage detection in paving. <i>Construction and Building Materials</i> , <b>2018</b> , 174, 749-760                                                   | 6.7 | 21        |
| 19 | Efficient GPR data acquisition to detect underground pipes. <i>NDT and E International</i> , <b>2017</b> , 91, 22-31                                                                                            | 4.1 | 18        |
| 18 | Validation of mobile LiDAR surveying for measuring pavement layer thicknesses and volumes. <i>NDT and E International</i> , <b>2013</b> , 60, 70-76                                                             | 4.1 | 16        |
| 17 | UAV Photogrammetry Application to the Monitoring of Rubble Mound Breakwaters. <i>Journal of Performance of Constructed Facilities</i> , <b>2016</b> , 30, 04014194                                              | 2   | 12        |
| 16 | Reconstructing the Roman Site Aquis Querquennis (Bande, Spain) from GPR, T-LiDAR and IRT Data Fusion. <i>Remote Sensing</i> , <b>2018</b> , 10, 379                                                             | 5   | 12        |
| 15 | Quantification and mapping of deterioration patterns on granite surfaces by means of mobile LiDAR data. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 140, 227-236 | 4.6 | 11        |
| 14 | A Building Information Modeling Approach to Integrate Geomatic Data for the Documentation and Preservation of Cultural Heritage. <i>Remote Sensing</i> , <b>2020</b> , 12, 4028                                 | 5   | 11        |
| 13 | Novel image analysis approach to the terrestrial LiDAR monitoring of damage in rubble mound breakwaters. <i>Ocean Engineering</i> , <b>2014</b> , 91, 273-280                                                   | 3.9 | 11        |
| 12 | MONITORING OF PROGRESSIVE DAMAGE IN BUILDINGS USING LASER SCAN DATA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , XLII-2, 923-929    | 2.5 | 9         |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 11 | Laser Scanning Technology: Fundamentals, Principles and Applications in Infrastructure. <i>Structures and Infrastructures Series</i> , <b>2016</b> , 7-33                                                                    |     | 9 |
| 10 | Automatic Registration of Mobile LiDAR Data Using High-Reflectivity Traffic Signs. <i>Journal of Construction Engineering and Management - ASCE</i> , <b>2016</b> , 142, 04016022                                            | 4.2 | 7 |
| 9  | Comparative study of deterioration forms on nearby granitic bridges from an urban setting in the NW Iberian Peninsula. <i>Geomorphology</i> , <b>2016</b> , 274, 11-30                                                       | 4.3 | 7 |
| 8  | Terrestrial laser scanning for geometry extraction and change monitoring of rubble mound breakwaters. <i>ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences</i> , II-5, 289-295             |     | 5 |
| 7  | A Novel Baseline-Based Method to Detect Local Structural Changes in Masonry Walls Using Dense Terrestrial Laser Scanning Point Clouds. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 6504-6515                             | 4   | 3 |
| 6  | A mobile android tool for simplified GPR data processing in construction applications. <i>Automation in Construction</i> , <b>2018</b> , 89, 170-182                                                                         | 9.6 | 3 |
| 5  | Metrological evaluation of vessel-based mobile lidar for survey of coastal structures. <i>International Journal of Remote Sensing</i> , <b>2015</b> , 36, 2622-2633                                                          | 3.1 | 2 |
| 4  | Single-image rectification technique in forensic science. <i>Journal of Forensic Sciences</i> , <b>2013</b> , 58, 459-64                                                                                                     | 1.8 | 2 |
| 3  | GPR detection of underground pipes <b>2017</b> ,                                                                                                                                                                             |     | 1 |
| 2  | Tratamiento microbiano de aguas residuales resultantes de la actividad minera: una revisión. <i>Tecnología Y Ciencias Del Agua</i> , <b>2017</b> , 08, 75-91                                                                 | 0.9 | 0 |
| 1  | 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 |   |