Francisco M Fernandes

List of Publications by Year
in descending order

23	682	686830 13	839053 18
papers	citations	h-index	g-index

25	25	25	663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Failure analysis of Monastery of JerÃ³nimos, Lisbon: How to learn from sophisticated numerical models. Engineering Failure Analysis, 2007, 14, 280-300.	1.8	105
2	Heritage site preservation with combined radiometric and geometric analysis of TLS data. Automation in Construction, 2018, 85, 24-39.	4.8	80
3	GPR laboratory tests and numerical models to characterize cracks in cement concrete specimens, exemplifying damage in rigid pavement. Measurement: Journal of the International Measurement Confederation, 2020, 158, 107662.	2.5	60
4	Handmade Clay Bricks: Chemical, Physical and Mechanical Properties. International Journal of Architectural Heritage, 2010, 4, 38-58.	1.7	57
5	Laboratory observation of cracks in road pavements with GPR. Construction and Building Materials, 2017, 154, 1130-1138.	3.2	57
6	Assessment of the density and moisture content of asphalt mixtures of road pavements. Construction and Building Materials, 2017, 154, 1216-1225.	3.2	50
7	GPR monitoring for road transport infrastructure: A systematic review and machine learning insights. Construction and Building Materials, 2022, 324, 126686.	3.2	50
8	An experimental and numerical approach to combine Ground Penetrating Radar and computational modeling for the identification of early cracking in cement concrete pavements. NDT and E International, 2020, 115, 102293.	1.7	47
9	A Bayesian approach for NDT data fusion: The Saint Torcato church case study. Engineering Structures, 2015, 84, 120-129.	2.6	38
10	Evaluation of the Compressive Strength of Ancient Clay Bricks Using Microdrilling. Journal of Materials in Civil Engineering, 2007, 19, 791-800.	1.3	25
11	Practical implications of GPR investigation using 3D data reconstruction and transmission tomography. Journal of Building Appraisal, 2007, 3, 59-76.	0.4	24
12	Application of radar techniques to the verification of design plans and the detection of defects in concrete bridges. Structure and Infrastructure Engineering, 2010, 6, 395-407.	2.0	22
13	NDT assessment of rigid pavement damages with ground penetrating radar: laboratory and field tests. International Journal of Pavement Engineering, 2022, 23, 900-915.	2.2	21
14	Luiz Bandeira Bridge: Assessment of a Historical Reinforced Concrete (RC) Bridge. International Journal of Architectural Heritage, 2013, 7, 628-652.	1.7	15
15	Tube-jack testing for irregular masonry walls: Prototype development and testing. NDT and E International, 2013, 58, 24-35.	1.7	9
16	Tube-Jack Testing for Irregular Masonry Walls: Regular Masonry Wall Testing. Journal of Nondestructive Evaluation, 2016, 35, 1.	1.1	8
17	Evaluation of Structural Intervention in the Quartel das Esquadras, Almeida (Portugal). International Journal of Architectural Heritage, 2018, 12, 465-485.	1.7	5
18	Assessment of moisture in road pavements. , 2014, , .		3

#	Article	IF	Citations
19	System identification and model updating of the Watts Towers of Los Angeles: The Gazebo. , 2016, , 796-803.		2
20	Evaluation of the GPR (1.2 GHz) technique in the characterization of masonry shells of the Theatro Municipal do Rio de Janeiro. Revista IBRACON De Estruturas E Materiais, 2020, 13, 274-297.	0.3	2
21	Multi-Technique Approach for the Assessment of Historical Masonry Constructions. Key Engineering Materials, 0, 569-570, 1249-1256.	0.4	0
22	Geometric and Radiometric Analysis of TLS Point Clouds to Diagnose the Conservation State of Historical Constructions. Case of Study in the Master Gate of San Francisco, Almeida, Portugal. RILEM Bookseries, 2019, , 465-473.	0.2	0
23	Ground Penetrating Radar and Mapping the Monastery Complex. , 2017, , 225-230.		0