Samer Lahouar

List of Publications by Year
in descending order

24	959	687363	794594
papers	citations	13	19
		h-index	g-index

26	26	26	561
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Measuring layer thicknesses with GPR â€“ Theory to practice. Construction and Building Materials, 2005, 19, 763-772.	7.2	207
2	Automatic detection of multiple pavement layers from GPR data. NDT and E International, 2008, 41, 69-81.	3.7	109
3	GPR signal de-noising by discrete wavelet transform. NDT and E International, 2009, 42, 696-703.	3.7	94
4	Development and validation for in situ asphalt mixture density prediction models. NDT and E International, 2011, 44, 369-375.	3.7	87
5	In-Place Hot-Mix Asphalt Density Estimation Using Ground-Penetrating Radar. Transportation Research Record, 2010, 2152, 19-27.	1.9	84
6	Effective Approach to Improve Pavement Drainage Layers. Journal of Transportation Engineering, 2004, 130, 658-664.	0.9	45
7	In situ measurements of hot-mix asphalt dielectric properties. NDT and E International, 2001, 34, 427-434.	3.7	44
8	Approach to Determining In Situ Dielectric Constant of Pavements: Development and Implementation at Interstate 81 in Virginia. Transportation Research Record, 2002, 1806, 81-87.	1.9	42
9	Successful Application of Ground-Penetrating Radar for Quality Assurance-Quality Control of New Pavements. Transportation Research Record, 2003, 1861, 86-97.	1.9	41
10	Pattern recognition algorithms for density estimation of asphalt pavement during compaction: a simulation study. Journal of Applied Geophysics, 2014, 107, 8-15.	2.1	37
11	Optimization of Ground-Penetrating Radar Data to Predict Layer Thicknesses in Flexible Pavements. Journal of Transportation Engineering, 2003, 129, 93-99.	0.9	33
12	Runway Instrumentation and Response Measurements. Transportation Research Record, 2010, 2153, 162-169.	1.9	28
13	Data Collection and Management of the Instrumented Smart Road Flexible Pavement Sections. Transportation Research Record, 2001, 1769, 142-151.	1.9	17
14	Automatic crack detection from pavement images using fuzzy thresholding. , 2017, , .		17
15	Lane Departure detection using image processing techniques. , 2017, , .		16
16	Accuracy of Ground-Penetrating Radar for Estimating Rigid and Flexible Pavement Layer Thicknesses. Transportation Research Record, 2005, 1940, 69-78.	1.9	12
17	Part 4: Portland Cement Concrete Pavement: Measuring Rebar Cover Depth in Rigid Pavements with Ground-Penetrating Radar. Transportation Research Record, 2005, 1907, 80-85.	1.9	11
18	Mapping of Sewer Lines Using GPR: A Case Study in Tunisia. Data, 2018, 3, 40.	2.3	8

#	Article	IF	Citations
19	Accuracy of Ground-Penetrating Radar for Estimating Rigid and Flexible Pavement Layer Thicknesses. Transportation Research Record, 2005, 1940, 69-78.	1.9	8
20	Peak detection of GPR data with lifting wavelet transform (LWT). , 2017, , .		6
21	The estimation of buried empty cylindrical tubes characteristics using GPR. , 2018, , .		5
22	Extraction of geometric parameters of underground tube using GPR. , 2017, , .		3
23	Data Quality of the Information Collected from GPR on a 3D Structure. Smart Innovation, Systems and Technologies, 2020, , 66-76.	0.6	2
24	GPR Data Analysis for Accurate Estimation of Underground Utilities Diameter. Russian Journal of Nondestructive Testing, 2022, 58, 195-204.	0.9	0