

# Samer Lahouar

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

959  
citations

687363

13  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

561  
citing authors

#	ARTICLE	IF	CITATIONS
1	GPR Data Analysis for Accurate Estimation of Underground Utilities Diameter. Russian Journal of Nondestructive Testing, 2022, 58, 195-204.	0.9	0
2	Data Quality of the Information Collected from GPR on a 3D Structure. Smart Innovation, Systems and Technologies, 2020, , 66-76.	0.6	2
3	Mapping of Sewer Lines Using GPR: A Case Study in Tunisia. Data, 2018, 3, 40.	2.3	8
4	The estimation of buried empty cylindrical tubes characteristics using GPR. , 2018, , .		5
5	Lane Departure detection using image processing techniques. , 2017, , .		16
6	Peak detection of GPR data with lifting wavelet transform (LWT). , 2017, , .		6
7	Extraction of geometric parameters of underground tube using GPR. , 2017, , .		3
8	Automatic crack detection from pavement images using fuzzy thresholding. , 2017, , .		17
9	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
10	Development and validation for in situ asphalt mixture density prediction models. NDT and E International, 2011, 44, 369-375.	3.7	87
11	Runway Instrumentation and Response Measurements. Transportation Research Record, 2010, 2153, 162-169.	1.9	28
12	In-Place Hot-Mix Asphalt Density Estimation Using Ground-Penetrating Radar. Transportation Research Record, 2010, 2152, 19-27.	1.9	84
13	GPR signal de-noising by discrete wavelet transform. NDT and E International, 2009, 42, 696-703.	3.7	94
14	Automatic detection of multiple pavement layers from GPR data. NDT and E International, 2008, 41, 69-81.	3.7	109
15	Measuring layer thicknesses with GPR " Theory to practice. Construction and Building Materials, 2005, 19, 763-772.	7.2	207
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	Accuracy of Ground-Penetrating Radar for Estimating Rigid and Flexible Pavement Layer Thicknesses. Transportation Research Record, 2005, 1940, 69-78.	1.9	8

#	ARTICLE	IF	CITATIONS
19	Effective Approach to Improve Pavement Drainage Layers. Journal of Transportation Engineering, 2004, 130, 658-664.	0.9	45
20	Optimization of Ground-Penetrating Radar Data to Predict Layer Thicknesses in Flexible Pavements. Journal of Transportation Engineering, 2003, 129, 93-99.	0.9	33
21	Successful Application of Ground-Penetrating Radar for Quality Assurance-Quality Control of New Pavements. Transportation Research Record, 2003, 1861, 86-97.	1.9	41
22	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
23	Data Collection and Management of the Instrumented Smart Road Flexible Pavement Sections. Transportation Research Record, 2001, 1769, 142-151.	1.9	17
24	In situ measurements of hot-mix asphalt dielectric properties. NDT and E International, 2001, 34, 427-434.	3.7	44