

Andreas Loizos

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

760
citations

15
h-index

24
g-index

72
ext. papers

928
ext. citations

2.9
avg, IF

4.78
L-index

#	Paper	IF	Citations
65	Accuracy of pavement thicknesses estimation using different ground penetrating radar analysis approaches. <i>NDT and E International</i> , 2007 , 40, 147-157	4.1	122
64	Estimation of in-situ density and moisture content in HMA pavements based on GPR trace reflection amplitude using different frequencies. <i>Journal of Applied Geophysics</i> , 2013 , 97, 3-10	1.7	62
63	. <i>IEEE Sensors Journal</i> , 2007 , 7, 842-850	4	46
62	Synthesis of standards and procedures for specimen preparation and in-field evaluation of cold-recycled asphalt mixtures. <i>Road Materials and Pavement Design</i> , 2014 , 15, 272-299	2.6	45
61	An alternative approach to pavement roughness evaluation. <i>International Journal of Pavement Engineering</i> , 2008 , 9, 69-78	2.6	31
60	Calibration of dynamic modulus predictive model. <i>Construction and Building Materials</i> , 2016 , 102, 65-75	6.7	25
59	Using ground-penetrating radar for assessing the structural needs of asphalt pavements. <i>Nondestructive Testing and Evaluation</i> , 2012 , 27, 273-284	2	22
58	Evaluation of Foamed Asphalt Cold In-Place Pavement Recycling Using Nondestructive Techniques. <i>Journal of Transportation Engineering</i> , 2006 , 132, 970-978		22
57	Evaluation of the effects of gyratory and field compaction on asphalt mix internal structure. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 665-676	3.4	21
56	In-situ characterization of foamed bitumen treated layer mixes for heavy-duty pavements. <i>International Journal of Pavement Engineering</i> , 2007 , 8, 123-135	2.6	21
55	Investigation of pavement skid resistance and macrotexture on a long-term basis. <i>International Journal of Pavement Engineering</i> , 2020 , 1-10	2.6	19
54	Integration of non-destructive testing methods to assess asphalt pavement thickness. <i>NDT and E International</i> , 2020 , 115, 102292	4.1	18
53	Verification of falling weight deflectometer backanalysis using a dynamic finite elements simulation. <i>International Journal of Pavement Engineering</i> , 2005 , 6, 115-123	2.6	18
52	Fiber optic sensors for assessing strains in cold in-place recycled pavements. <i>International Journal of Pavement Engineering</i> , 2013 , 14, 125-133	2.6	17
51	Soft Computing Models to Predict Pavement Roughness: A Comparative Study. <i>Advances in Civil Engineering</i> , 2018 , 2018, 1-8	1.3	16
50	Use of infrared thermography for assessing HMA paving and compaction. <i>Transportation Research Part C: Emerging Technologies</i> , 2014 , 46, 192-208	8.4	15
49	Field performance and fatigue characteristics of recycled pavement materials treated with foamed asphalt. <i>Construction and Building Materials</i> , 2013 , 48, 677-684	6.7	15

48	Influence of different roller compaction modes on asphalt mix performance. <i>International Journal of Pavement Engineering</i> , 2016 , 17, 64-70	2.6	13
47	Dynamic Stiffness Modulus for Pavement Subgrade Evaluation. <i>Journal of Transportation Engineering</i> , 2003 , 129, 434-443		12
46	A comprehensive approach for the assessment of HMA compactability using GPR technique. <i>Near Surface Geophysics</i> , 2016 , 14, 117-126	1.6	11
45	Incorporation of GPR data into genetic algorithms for assessing recycled pavements. <i>Construction and Building Materials</i> , 2017 , 154, 1263-1271	6.7	11
44	Early-Life Performance of Cold-in-Place Pavement Recycling with Foamed Asphalt Technique. <i>Transportation Research Record</i> , 2007 , 2005, 36-43	1.7	11
43	Investigating in situ stress-dependent behaviour of foamed asphalt-treated pavement materials. <i>Road Materials and Pavement Design</i> , 2012 , 13, 678-690	2.6	10
42	Pavement soil characterization using a dynamic stiffness model. <i>International Journal of Pavement Engineering</i> , 2005 , 6, 5-15	2.6	9
41	Integrating Pavement Sensing Data for Pavement Condition Evaluation. <i>Sensors</i> , 2021 , 21,	3.8	9
40	Investigating In Situ Properties of Recycled Asphalt Pavement with Foamed Asphalt as Base Stabilizer. <i>Advances in Civil Engineering</i> , 2010 , 2010, 1-10	1.3	8
39	Ground penetrating radar as an engineering diagnostic tool for foamed asphalt treated pavement layers. <i>International Journal of Pavement Engineering</i> , 2007 , 8, 147-155	2.6	8
38	Integrating non-destructive testing data to produce asphalt pavement critical strains. <i>Nondestructive Testing and Evaluation</i> , 2020 , 1-25	2	8
37	EVOLUTIONAL PROCESS OF PAVEMENT ROUGHNESS EVALUATION BENEFITING FROM SENSOR TECHNOLOGY. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2008 , 1, 370-387	0.4	7
36	Assessment of Modern Roadways Using Non-destructive Geophysical Surveying Techniques. <i>Surveys in Geophysics</i> , 2020 , 41, 395-430	7.6	7
35	Assessment of dynamic modulus prediction models in fatigue cracking estimation. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 5007-5019	3.4	6
34	Environmental assessment of warm mix asphalt incorporating steel slag and high reclaimed asphalt for wearing courses: a case study. <i>Road Materials and Pavement Design</i> , 2021 , 22, S662-S671	2.6	6
33	A mechanistic framework for field response assessment of asphalt pavements. <i>International Journal of Pavement Research and Technology</i> , 2021 , 14, 174-185	2	6
32	Quality assurance of HMA pavement surface macrotexture: empirical models vs experimental approach. <i>International Journal of Pavement Research and Technology</i> , 2019 , 12, 356-363	2	5
31	How Can Sustainable Materials in Road Construction Contribute to Vehicles Braking?. <i>Vehicles</i> , 2020 , 2, 55-74	1.5	5

30	Inspection of railroad ballast using geophysical method. <i>International Journal of Pavement Engineering</i> , 2010 , 11, 309-317	2.6	5
29	Rating the Aircraft Load and Reporting the Bearing Capacity of Rigid Airport Pavements. <i>Road Materials and Pavement Design</i> , 2006 , 7, 349-367	2.6	5
28	Alternative Aircraft Loading Index for Pavement Structural Analysis. <i>Journal of Transportation Engineering</i> , 1999 , 125, 259-264		5
27	Characterization of Sustainable Asphalt Mixtures Containing High Reclaimed Asphalt and Steel Slag. <i>Materials</i> , 2021 , 14,	3.5	5
26	Investigating Resilient Modulus Interdependence to Moisture for Reclaimed Asphalt Pavement Aggregates. <i>Procedia Engineering</i> , 2016 , 143, 244-251		4
25	A simplified approach for the estimation of HMA dynamic modulus for in service pavements 2015 , 661-670		4
24	Assessment of HMA Air-Voids and Stiffness Based on Material Dielectric Values. <i>Road Materials and Pavement Design</i> , 2011 , 12, 217-226	2.6	3
23	An approach for optimizing pavement design parameters in PPP projects. <i>Structure and Infrastructure Engineering</i> , 2007 , 3, 257-265	2.9	3
22	An Alternative Proposal for Reporting the Bearing Capacity of Flexible Airfield Pavements. <i>International Journal of Pavement Engineering</i> , 2001 , 2, 59-66	2.6	3
21	Polishing behaviour of asphalt surface course containing recycled materials. <i>International Journal of Transportation Science and Technology</i> , 2021 ,	3.3	3
20	Modelling Asphalt Pavement Responses Based on Field and Laboratory Data. <i>Lecture Notes in Civil Engineering</i> , 2020 , 438-447	0.3	3
19	Effectiveness of FWD to Simulate Traffic Loading in Recycled Pavements. <i>Journal of Performance of Constructed Facilities</i> , 2016 , 30, 04014193	2	3
18	Mechanistic Analysis of Asphalt Pavements in Support of Pavement Preservation Decision-Making. <i>Infrastructures</i> , 2022 , 7, 61	2.6	3
17	New Challenges in Evaluating Bearing Capacity of Airfield Pavements 2019 ,		2
16	Asphalt Concrete Stiffness Modulus Estimation Utilizing an Algorithm Approach 2013 ,		2
15	Field and Laboratory Test for Assigning Dielectric Constants of Asphalt Pavement Materials. <i>Road Materials and Pavement Design</i> , 2006 , 7, 513-532	2.6	2
14	PCN Estimation of Flexible Airfield Pavements. <i>Road Materials and Pavement Design</i> , 2002 , 3, 425-438	2.6	2
13	Field behavior of foamed bitumen pavement material 2009 ,		2

12	A mechanistic perspective for airfield pavements evaluation focusing on the asphalt layers□ behaviour. <i>International Journal of Pavement Engineering</i> ,1-14	2.6	2
11	Evaluation of Airfield Pavements Using FAARFIELD 2017 ,		1
10	Assessment and upgrading of in-service heavy duty pavements to long life. <i>International Journal of Pavement Engineering</i> , 2006 , 7, 133-144	2.6	1
9	Bearing Capacity and Structural Classification of Flexible Airport Pavements. <i>Journal of Transportation Engineering</i> , 2004 , 130, 34-42		1
8	Road pavement responses estimated through finite element modeling analysis 2017 , 1327-1334		1
7	Effectiveness of Spectral Analysis of Surface Waves (SASW) method for pavement evaluation 2017 , 631-636		1
6	Autonomous vehicles wheel wander: Structural impact on flexible pavements. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2021 , 8, 388-398	3.9	1
5	Performance Evaluation of Warm Recycled Surface Mixtures with Steel Slag. <i>RILEM Bookseries</i> , 2021 , 255-265	0.5	1
4	Effect of Temperature Fluctuations on the Bearing Capacity of Cold In-Depth Recycled Pavements. <i>Sustainability</i> , 2022 , 14, 426	3.6	1
3	Structural Performance Assessment of Airfield Concrete Pavements Based on Field and Laboratory Data. <i>Infrastructures</i> , 2021 , 6, 173	2.6	0
2	An Overview of the Impact of Constitutive Models for Unbound Materials on Pavement Elastic Response Through Numerical Analysis. <i>Transportation Infrastructure Geotechnology</i> ,1	1.3	
1	Foreword to the Special Issue on Civil and Environmental Engineering Applications of Ground Penetrating Radar. <i>Near Surface Geophysics</i> , 2016 , 14, 103-104	1.6	