Christina Plati

List of Publications by Citations

52 papers	738 citations	15 h-index	25 g-index
56 ext. papers	912 ext. citations	2.9 avg, IF	5.17 L-index

#	Paper	IF	Citations
52	Accuracy of pavement thicknesses estimation using different ground penetrating radar analysis approaches. *NDT and E International*, **2007**, 40, 147-157	4.1	122
51	Sustainability factors in pavement materials, design, and preservation strategies: A literature review. *Construction and Building Materials*, **2019**, 211, 539-555	6.7	64
50	Estimation of in-situ density and moisture content in HMA pavements based on GPR trace reflection amplitude using different frequencies. *Journal of Applied Geophysics*, **2013**, 97, 3-10	1.7	62
49	. *IEEE Sensors Journal*, **2007**, 7, 842-850	4	46
48	An alternative approach to pavement roughness evaluation. *International Journal of Pavement Engineering*, **2008**, 9, 69-78	2.6	31
47	Simulating pavement structural condition using artificial neural networks. *Structure and Infrastructure Engineering*, **2016**, 12, 1127-1136	2.9	30
46	Calibration of dynamic modulus predictive model. *Construction and Building Materials*, **2016**, 102, 65-75	6.7	25
45	**2013**,		24
44	Using ground-penetrating radar for assessing the structural needs of asphalt pavements. *Nondestructive Testing and Evaluation*, **2012**, 27, 273-284	2	22
43	A Sustainability Perspective for Unbound Reclaimed Asphalt Pavement (RAP) as a Pavement Base Material. *Sustainability*, **2019**, 11, 78	3.6	21
42	Investigation of pavement skid resistance and macrotexture on a long-term basis. *International Journal of Pavement Engineering*, **2020**, 1-10	2.6	19
41	Integration of non-destructive testing methods to assess asphalt pavement thickness. *NDT and E International*, **2020**, 115, 102292	4.1	18
40	Fiber optic sensors for assessing strains in cold in-place recycled pavements. *International Journal of Pavement Engineering*, **2013**, 14, 125-133	2.6	17
39	Impact of Traffic Volume on Pavement Macrotexture and Skid Resistance Long-Term Performance. *Transportation Research Record*, **2019**, 2673, 314-322	1.7	16
38	Soft Computing Models to Predict Pavement Roughness: A Comparative Study. *Advances in Civil Engineering*, **2018**, 2018, 1-8	1.3	16
37	Use of infrared thermography for assessing HMA paving and compaction. *Transportation Research Part C: Emerging Technologies*, **2014**, 46, 192-208	8.4	15
36	Quantification of skid resistance seasonal variation in asphalt pavements. *Journal of Traffic and Transportation Engineering (English Edition)*, **2020**, 7, 237-248	3.9	14

35	Influence of different roller compaction modes on asphalt mix performance. *International Journal of Pavement Engineering*, **2016**, 17, 64-70	2.6	13
34	A comprehensive approach for the assessment of HMA compactability using GPR technique. *Near Surface Geophysics*, **2016**, 14, 117-126	1.6	11
33	Incorporation of GPR data into genetic algorithms for assessing recycled pavements. *Construction and Building Materials*, **2017**, 154, 1263-1271	6.7	11
32	Early-Life Performance of Cold-in-Place Pavement Recycling with Foamed Asphalt Technique. *Transportation Research Record*, **2007**, 2005, 36-43	1.7	11
31	Investigating in situ stress-dependent behaviour of foamed asphalt-treated pavement materials. *Road Materials and Pavement Design*, **2012**, 13, 678-690	2.6	10
30	Integrating Pavement Sensing Data for Pavement Condition Evaluation. *Sensors*, **2021**, 21,	3.8	9
29	Development of a Mean Profile Depth to Mean Texture Depth Shift Factor for Asphalt Pavements. *Transportation Research Record*, **2017**, 2641, 156-163	1.7	8
28	Review of NDT Assessment of Road Pavements Using GPR **2013**, 855-860		8
27	Investigating In Situ Properties of Recycled Asphalt Pavement with Foamed Asphalt as Base Stabilizer. *Advances in Civil Engineering*, **2010**, 2010, 1-10	1.3	8
26	Ground penetrating radar as an engineering diagnostic tool for foamed asphalt treated pavement layers. *International Journal of Pavement Engineering*, **2007**, 8, 147-155	2.6	8
25	Integrating non-destructive testing data to produce asphalt pavement critical strains. *Nondestructive Testing and Evaluation*, **2020**, 1-25	2	8
24	EVOLUTIONAL PROCESS OF PAVEMENT ROUGHNESS EVALUATION BENEFITING FROM SENSOR TECHNOLOGY. *International Journal on Smart Sensing and Intelligent Systems*, **2008**, 1, 370-387	0.4	7
23	Assessment of Modern Roadways Using Non-destructive Geophysical Surveying Techniques. *Surveys in Geophysics*, **2020**, 41, 395-430	7.6	7
22	Assessment of dynamic modulus prediction models in fatigue cracking estimation. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 5007-5019	3.4	6
21	Field investigation of factors affecting skid resistance variations in asphalt pavements. *Baltic Journal of Road and Bridge Engineering*, **2014**, 9, 108-114	0.9	6
20	A mechanistic framework for field response assessment of asphalt pavements. *International Journal of Pavement Research and Technology*, **2021**, 14, 174-185	2	6
19	How Can Sustainable Materials in Road Construction Contribute to Vehicles Braking?. *Vehicles*, **2020**, 2, 55-74	1.5	5
18	Inspection of railroad ballast using geophysical method. *International Journal of Pavement Engineering*, **2010**, 11, 309-317	2.6	5

17	Investigating Resilient Modulus Interdependence to Moisture for Reclaimed Asphalt Pavement Aggregates. *Procedia Engineering*, **2016**, 143, 244-251		4
16	Assessment of HMA Air-Voids and Stiffness Based on Material Dielectric Values. *Road Materials and Pavement Design*, **2011**, 12, 217-226	2.6	3
15	Polishing behaviour of asphalt surface course containing recycled materials. *International Journal of Transportation Science and Technology*, **2021**,	3.3	3
14	Effectiveness of FWD to Simulate Traffic Loading in Recycled Pavements. *Journal of Performance of Constructed Facilities*, **2016**, 30, 04014193	2	3
13	Mechanistic Analysis of Asphalt Pavements in Support of Pavement Preservation Decision-Making. *Infrastructures*, **2022**, 7, 61	2.6	3
12	Asphalt Concrete Stiffness Modulus Estimation Utilizing an Algorithm Approach **2013**,		2
11	Field and Laboratory Test for Assigning Dielectric Constants of Asphalt Pavement Materials. *Road Materials and Pavement Design*, **2006**, 7, 513-532	2.6	2
10	Microstructure characterisation of field and laboratory roller compacted asphalt mixtures. *Road Materials and Pavement Design*, **2021**, 22, 942-953	2.6	2
9	Evaluation of Airfield Pavements Using FAARFIELD **2017**,		1
8	Effectiveness of Spectral Analysis of Surface Waves (SASW) method for pavement evaluation **2017**, 631-636		1
7	Building Sustainable Pavements: Investigating the Effectiveness of Recycled Tire Rubber as a Modifier in Asphalt Mixtures. *Energies*, **2021**, 14, 7099	3.1	1
6	Autonomous vehicles wheel wander: Structural impact on flexible pavements. *Journal of Traffic and Transportation Engineering (English Edition)*, **2021**, 8, 388-398	3.9	1
5	Structural Performance Assessment of Airfield Concrete Pavements Based on Field and Laboratory Data. *Infrastructures*, **2021**, 6, 173	2.6	0
4	Fatigue Cracking Characteristics of Cold In-Place Recycled Pavements **2012**, 1351-1359		
3	An Overview of the Impact of Constitutive Models for Unbound Materials on Pavement Elastic Response Through Numerical Analysis. *Transportation Infrastructure Geotechnology*,1	1.3	
2	Finite Element Simulations of Recycled Asphalt Pavement (RAP) Materials to Be Utilized in Unbound Pavement Layers. *Lecture Notes in Civil Engineering*, **2022**, 579-591	0.3	
1	Autonomous trucks□(ATs) lateral distribution and asphalt pavement performance. *International Journal of Pavement Engineering*,1-22	2.6	