

# Christina Plati

## List of Publications by Year in Descending Order

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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.

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	Finite Element Simulations of Recycled Asphalt Pavement (RAP) Materials to Be Utilized in Unbound Pavement Layers. <i>Lecture Notes in Civil Engineering</i> , <b>2022</b> , 579-591	0.3	
51	Mechanistic Analysis of Asphalt Pavements in Support of Pavement Preservation Decision-Making. <i>Infrastructures</i> , <b>2022</b> , 7, 61	2.6	3
50	Polishing behaviour of asphalt surface course containing recycled materials. <i>International Journal of Transportation Science and Technology</i> , <b>2021</b> ,	3.3	3
49	Building Sustainable Pavements: Investigating the Effectiveness of Recycled Tire Rubber as a Modifier in Asphalt Mixtures. <i>Energies</i> , <b>2021</b> , 14, 7099	3.1	1
48	Integrating Pavement Sensing Data for Pavement Condition Evaluation. <i>Sensors</i> , <b>2021</b> , 21,	3.8	9
47	Autonomous vehicles wheel wander: Structural impact on flexible pavements. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2021</b> , 8, 388-398	3.9	1
46	A mechanistic framework for field response assessment of asphalt pavements. <i>International Journal of Pavement Research and Technology</i> , <b>2021</b> , 14, 174-185	2	6
45	Microstructure characterisation of field and laboratory roller compacted asphalt mixtures. <i>Road Materials and Pavement Design</i> , <b>2021</b> , 22, 942-953	2.6	2
44	Structural Performance Assessment of Airfield Concrete Pavements Based on Field and Laboratory Data. <i>Infrastructures</i> , <b>2021</b> , 6, 173	2.6	0
43	Integration of non-destructive testing methods to assess asphalt pavement thickness. <i>NDT and E International</i> , <b>2020</b> , 115, 102292	4.1	18
42	How Can Sustainable Materials in Road Construction Contribute to Vehicles Braking?. <i>Vehicles</i> , <b>2020</b> , 2, 55-74	1.5	5
41	Investigation of pavement skid resistance and macrotexture on a long-term basis. <i>International Journal of Pavement Engineering</i> , <b>2020</b> , 1-10	2.6	19
40	Integrating non-destructive testing data to produce asphalt pavement critical strains. <i>Nondestructive Testing and Evaluation</i> , <b>2020</b> , 1-25	2	8
39	Assessment of Modern Roadways Using Non-destructive Geophysical Surveying Techniques. <i>Surveys in Geophysics</i> , <b>2020</b> , 41, 395-430	7.6	7
38	Quantification of skid resistance seasonal variation in asphalt pavements. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , <b>2020</b> , 7, 237-248	3.9	14
37	Impact of Traffic Volume on Pavement Macrotexture and Skid Resistance Long-Term Performance. <i>Transportation Research Record</i> , <b>2019</b> , 2673, 314-322	1.7	16
36	Sustainability factors in pavement materials, design, and preservation strategies: A literature review. <i>Construction and Building Materials</i> , <b>2019</b> , 211, 539-555	6.7	64

35	A Sustainability Perspective for Unbound Reclaimed Asphalt Pavement (RAP) as a Pavement Base Material. <i>Sustainability</i> , <b>2019</b> , 11, 78	3.6	21
34	Soft Computing Models to Predict Pavement Roughness: A Comparative Study. <i>Advances in Civil Engineering</i> , <b>2018</b> , 2018, 1-8	1.3	16
33	Incorporation of GPR data into genetic algorithms for assessing recycled pavements. <i>Construction and Building Materials</i> , <b>2017</b> , 154, 1263-1271	6.7	11
32	Development of a Mean Profile Depth to Mean Texture Depth Shift Factor for Asphalt Pavements. <i>Transportation Research Record</i> , <b>2017</b> , 2641, 156-163	1.7	8
31	Evaluation of Airfield Pavements Using FAARFIELD <b>2017</b> ,		1
30	Effectiveness of Spectral Analysis of Surface Waves (SASW) method for pavement evaluation <b>2017</b> , 631-636		1
29	A comprehensive approach for the assessment of HMA compactability using GPR technique. <i>Near Surface Geophysics</i> , <b>2016</b> , 14, 117-126	1.6	11
28	Investigating Resilient Modulus Interdependence to Moisture for Reclaimed Asphalt Pavement Aggregates. <i>Procedia Engineering</i> , <b>2016</b> , 143, 244-251		4
27	Assessment of dynamic modulus prediction models in fatigue cracking estimation. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2016</b> , 49, 5007-5019	3.4	6
26	Simulating pavement structural condition using artificial neural networks. <i>Structure and Infrastructure Engineering</i> , <b>2016</b> , 12, 1127-1136	2.9	30
25	Influence of different roller compaction modes on asphalt mix performance. <i>International Journal of Pavement Engineering</i> , <b>2016</b> , 17, 64-70	2.6	13
24	Calibration of dynamic modulus predictive model. <i>Construction and Building Materials</i> , <b>2016</b> , 102, 65-75	6.7	25
23	Effectiveness of FWD to Simulate Traffic Loading in Recycled Pavements. <i>Journal of Performance of Constructed Facilities</i> , <b>2016</b> , 30, 04014193	2	3
22	Use of infrared thermography for assessing HMA paving and compaction. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2014</b> , 46, 192-208	8.4	15
21	Field investigation of factors affecting skid resistance variations in asphalt pavements. <i>Baltic Journal of Road and Bridge Engineering</i> , <b>2014</b> , 9, 108-114	0.9	6
20	Asphalt Concrete Stiffness Modulus Estimation Utilizing an Algorithm Approach <b>2013</b> ,		2
19	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> , <b>2013</b> , 97, 3-10	1.7	62
18	<b>2013</b> ,		24

17	Review of NDT Assessment of Road Pavements Using GPR <b>2013</b> , 855-860		8
16	Fiber optic sensors for assessing strains in cold in-place recycled pavements. <i>International Journal of Pavement Engineering</i> , <b>2013</b> , 14, 125-133	2.6	17
15	Investigating in situ stress-dependent behaviour of foamed asphalt-treated pavement materials. <i>Road Materials and Pavement Design</i> , <b>2012</b> , 13, 678-690	2.6	10
14	Using ground-penetrating radar for assessing the structural needs of asphalt pavements. <i>Nondestructive Testing and Evaluation</i> , <b>2012</b> , 27, 273-284	2	22
13	Fatigue Cracking Characteristics of Cold In-Place Recycled Pavements <b>2012</b> , 1351-1359		
12	Assessment of HMA Air-Voids and Stiffness Based on Material Dielectric Values. <i>Road Materials and Pavement Design</i> , <b>2011</b> , 12, 217-226	2.6	3
11	Investigating In Situ Properties of Recycled Asphalt Pavement with Foamed Asphalt as Base Stabilizer. <i>Advances in Civil Engineering</i> , <b>2010</b> , 2010, 1-10	1.3	8
10	Inspection of railroad ballast using geophysical method. <i>International Journal of Pavement Engineering</i> , <b>2010</b> , 11, 309-317	2.6	5
9	An alternative approach to pavement roughness evaluation. <i>International Journal of Pavement Engineering</i> , <b>2008</b> , 9, 69-78	2.6	31
8	EVOLUTIONAL PROCESS OF PAVEMENT ROUGHNESS EVALUATION BENEFITING FROM SENSOR TECHNOLOGY. <i>International Journal on Smart Sensing and Intelligent Systems</i> , <b>2008</b> , 1, 370-387	0.4	7
7	. <i>IEEE Sensors Journal</i> , <b>2007</b> , 7, 842-850	4	46
6	Ground penetrating radar as an engineering diagnostic tool for foamed asphalt treated pavement layers. <i>International Journal of Pavement Engineering</i> , <b>2007</b> , 8, 147-155	2.6	8
5	Accuracy of pavement thicknesses estimation using different ground penetrating radar analysis approaches. <i>NDT and E International</i> , <b>2007</b> , 40, 147-157	4.1	122
4	Early-Life Performance of Cold-in-Place Pavement Recycling with Foamed Asphalt Technique. <i>Transportation Research Record</i> , <b>2007</b> , 2005, 36-43	1.7	11
3	Field and Laboratory Test for Assigning Dielectric Constants of Asphalt Pavement Materials. <i>Road Materials and Pavement Design</i> , <b>2006</b> , 7, 513-532	2.6	2
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	Autonomous trucks(ATs) lateral distribution and asphalt pavement performance. <i>International Journal of Pavement Engineering</i> , 1-22	2.6	