

Kamilla L Vasconcelos

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

49
papers

764
citations

14
h-index

27
g-index

59
ext. papers

928
ext. citations

2.2
avg, IF

4.46
L-index

#	Paper	IF	Citations
49	Stiffness assessment of cold recycled asphalt mixtures [Aspects related to filler type, stress state, viscoelasticity, and suction. <i>Construction and Building Materials</i> , 2022 , 318, 126003	6.7	4
48	Degree of Binder Activity on 100% Recycled Mixtures and Its Linear Viscoelasticity Behavior. <i>RILEM Bookseries</i> , 2022 , 529-536	0.5	
47	Investigation of Different Design Methods for Determining the Appropriate Binder Ratio on Recycled Asphalt Mixtures. <i>RILEM Bookseries</i> , 2022 , 1189-1195	0.5	
46	Evaluate the Impact of the Reclaimed Asphalt Pavement (RAP) Binder Activation on its Shape Properties. <i>RILEM Bookseries</i> , 2022 , 747-753	0.5	2
45	Effect of Different Creep and Recovery Times on the MSCR Test for Highly Modified Asphalt Binder. <i>Journal of Testing and Evaluation</i> , 2021 , 49, 20180584	1	6
44	Effect of Binder Rheology and Aggregate Gradation on the Permanent Deformation of Asphalt Mixtures. <i>International Journal of Civil Engineering</i> , 2021 , 19, 777-787	1.9	3
43	Compaction methods of cold recycled asphalt mixtures and their effects on pavement analysis. <i>Road Materials and Pavement Design</i> , 2021 , 22, S154-S179	2.6	3
42	Comparison of the rheological and the thermal behaviour of a neat asphalt binder and a wood-based binder for pavement surface layer. <i>Road Materials and Pavement Design</i> , 2021 , 22, S702-S717 ²⁶	2.6	2
41	Multi-scale study of bio-binder mixtures as surface layer: Laboratory evaluation and field application and monitoring. <i>Construction and Building Materials</i> , 2021 , 287, 122982	6.7	4
40	Analysis of water flow in an asphalt pavement surface layer with different thicknesses and different permeability coefficients. <i>Road Materials and Pavement Design</i> , 2021 , 22, 82-100	2.6	3
39	Asphalt Binder Linear Amplitude Sweep Test: Contribution Related to the E ₁ Value Estimation. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020459	3	3
38	Effect of mixture composition on the mechanical behaviour of cold recycled asphalt mixtures. <i>International Journal of Pavement Engineering</i> , 2021 , 22, 984-994	2.6	24
37	The impact of aging heterogeneities within RAP binder on recycled asphalt mixture design. <i>Construction and Building Materials</i> , 2021 , 300, 124260	6.7	2
36	Impact of Nonlinear Elastic Behavior of Foamed Asphalt Stabilized Mixes on Pavement Structural Performance. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021261	3	1
35	Evaluation of binder blending on warm mix asphalt recycling. <i>Transportes</i> , 2020 , 28, 87-99	1	2
34	Quantitative assessment of the parameters linked to the blending between reclaimed asphalt binder and recycling agent: A literature review. <i>Construction and Building Materials</i> , 2020 , 234, 117323	6.7	17
33	Case Study of a Composite Layer with Large-Stone Asphalt Mixture for Heavy-Traffic Highways. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2020 , 146, 04019040	1.4	4

32	Three-dimensional numerical modelling of railway track with varying air voids content bituminous subballast. <i>Road Materials and Pavement Design</i> , 2020 , 1-19	2.6	1
31	On the degree of binder activity of reclaimed asphalt and degree of blending with recycling agents. <i>Road Materials and Pavement Design</i> , 2020 , 21, 2071-2090	2.6	24
30	Use of regression trees to predict overweight trucks from historical weigh-in-motion data. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2020 , 7, 843-859	3.9	5
29	Field Evaluation of High Level Roads with Foamed Bitumen Stabilized Base Layers 2019 ,		1
28	Influence of viscoelastic properties of cold recycled asphalt mixtures on pavement response by means of temperature instrumentation. <i>Road Materials and Pavement Design</i> , 2019 , 20, S710-S724	2.6	7
27	Investigation of the matric suction role on the curing mechanism of foamed asphalt stabilised mixtures. <i>Road Materials and Pavement Design</i> , 2019 , 20, S365-S389	2.6	11
26	Laboratory Comparison of Permanent Deformation and Fatigue Behavior of Neat, Polymer, and Rubber-Asphalt Binders. <i>Transportation Research Record</i> , 2019 , 2673, 524-532	1.7	2
25	Effect of temperature on the fatigue behavior of asphalt binder. <i>Applied Rheology</i> , 2019 , 29, 30-40	1.2	3
24	Fatigue resistance of asphalt binders and the correlation with asphalt mixture behaviour. <i>Road Materials and Pavement Design</i> , 2019 , 20, S695-S709	2.6	14
23	Characterization of neat and modified asphalt binders and mixtures in relation to permanent deformation. <i>Science and Engineering of Composite Materials</i> , 2019 , 26, 379-387	1.5	1
22	Field Aging Evaluation of Asphalt Binders by Chemical and Rheological Characterization. <i>RILEM Bookseries</i> , 2019 , 84-89	0.5	1
21	Aging Characterization of Biobinder Produced from Renewable Sources. <i>RILEM Bookseries</i> , 2019 , 9-14	0.5	1
20	Laboratory and field evaluation of cold recycling mixture with foamed asphalt. <i>Road Materials and Pavement Design</i> , 2018 , 19, 385-399	2.6	39
19	Evaluation of the laboratory compaction method on the air voids and the mechanical behavior of hot mix asphalt. <i>Construction and Building Materials</i> , 2017 , 156, 424-434	6.7	17
18	Rheological characterization of asphalt binders used in strain relief asphalt mixtures (SRAM)1. <i>DYNA (Colombia)</i> , 2017 , 84, 90-96	0.6	2
17	Highly Modified Asphalt Binder for Asphalt Crack Relief Mix. <i>Transportation Research Record</i> , 2017 , 2630, 110-117	1.7	6
16	Laboratory and field evaluation of recycled unbound layers with cement for use in asphalt pavement rehabilitation. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016 , 49, 2669-2680	3.4	12
15	Design of cold recycled mixes with asphalt emulsion and portland cement. <i>Canadian Journal of Civil Engineering</i> , 2016 , 43, 773-782	1.3	24

14	Misturas asfálticas recicladas a quente com incorporação de elevado percentual de fresado como alternativa para camada de módulo elevado. <i>Transportes</i> , 2016 , 24, 85	1	5
13	Adhesion Between Asphalt Layers Through the Leutner Shear Test. <i>RILEM Bookseries</i> , 2016 , 495-500	0.5	
12	Avaliação da resistência ao trincamento de misturas asfálticas compostas por agregados miúdos com diferentes tamanhos máximos nominais. <i>Transportes</i> , 2014 , 22, 117	1	2
11	Experimental Measurement of Water Diffusion through Fine Aggregate Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 445-452	3	31
10	History dependence of water diffusion in asphalt binders. <i>International Journal of Pavement Engineering</i> , 2011 , 12, 497-506	2.6	28
9	Laboratory evaluation of recycled construction and demolition waste for pavements. <i>Construction and Building Materials</i> , 2011 , 25, 2972-2979	6.7	171
8	Influence of Reduced Production Temperatures on the Adhesive Properties of Aggregates and Laboratory Performance of Fine Aggregate-Asphalt Mixtures. <i>Road Materials and Pavement Design</i> , 2010 , 11, 47-64	2.6	16
7	Measurement of Water Diffusion in Asphalt Binders Using Fourier Transform Infrared Attenuated Total Reflectance. <i>Transportation Research Record</i> , 2010 , 2179, 29-38	1.7	17
6	A Framework to Quantify the Effect of Healing in Bituminous Materials using Material Properties. <i>Road Materials and Pavement Design</i> , 2008 , 9, 219-242	2.6	120
5	Surface Free Energy to Identify Moisture Sensitivity of Materials for Asphalt Mixes. <i>Transportation Research Record</i> , 2007 , 2001, 37-45	1.7	117
4	RILEM TC 279 WMR round robin study on waste polyethylene modified bituminous binders: advantages and challenges. <i>Road Materials and Pavement Design</i> , 1-29	2.6	2
3	Prediction of Fatigue Cracking in Flexible and Semi-rigid Asphalt Pavement Sections. <i>International Journal of Pavement Research and Technology</i> , 1	2	
2	A new approach to laboratory roller compaction method and its influence on surface texture and permanent deformation of asphalt mixtures. <i>International Journal of Pavement Engineering</i> , 1-12	2.6	1
1	Probabilistic Service Life Model of Pavement Marking by Degradation Data. <i>Transportation Research Record</i> , 036119812210893	1.7	