Kamilla L Vasconcelos

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.

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	Laboratory evaluation of recycled construction and demolition waste for pavements. *Construction and Building Materials*, **2011**, 25, 2972-2979	6.7	171
48	A Framework to Quantify the Effect of Healing in Bituminous Materials using Material Properties. *Road Materials and Pavement Design*, **2008**, 9, 219-242	2.6	120
47	Surface Free Energy to Identify Moisture Sensitivity of Materials for Asphalt Mixes. *Transportation Research Record*, **2007**, 2001, 37-45	1.7	117
46	Laboratory and field evaluation of cold recycling mixture with foamed asphalt. *Road Materials and Pavement Design*, **2018**, 19, 385-399	2.6	39
45	Experimental Measurement of Water Diffusion through Fine Aggregate Mixtures. *Journal of Materials in Civil Engineering*, **2011**, 23, 445-452	3	31
44	History dependence of water diffusion in asphalt binders. *International Journal of Pavement Engineering*, **2011**, 12, 497-506	2.6	28
43	Design of cold recycled mixes with asphalt emulsion and portland cement. *Canadian Journal of Civil Engineering*, **2016**, 43, 773-782	1.3	24
42	On the degree of binder activity of reclaimed asphalt and degree of blending with recycling agents. *Road Materials and Pavement Design*, **2020**, 21, 2071-2090	2.6	24
41	Effect of mixture composition on the mechanical behaviour of cold recycled asphalt mixtures. *International Journal of Pavement Engineering*, **2021**, 22, 984-994	2.6	24
40	Evaluation of the laboratory compaction method on the air voids and the mechanical behavior of hot mix asphalt. *Construction and Building Materials*, **2017**, 156, 424-434	6.7	17
39	Measurement of Water Diffusion in Asphalt Binders Using Fourier Transform Infrared Attenuated Total Reflectance. *Transportation Research Record*, **2010**, 2179, 29-38	1.7	17
38	Quantitative assessment of the parameters linked to the blending between reclaimed asphalt binder and recycling agent: A literature review. *Construction and Building Materials*, **2020**, 234, 117323	6.7	17
37	Influence of Reduced Production Temperatures on the Adhesive Properties of Aggregates and Laboratory Performance of Fine Aggregate-Asphalt Mixtures. *Road Materials and Pavement Design*, **2010**, 11, 47-64	2.6	16
36	Fatigue resistance of asphalt binders and the correlation with asphalt mixture behaviour. *Road Materials and Pavement Design*, **2019**, 20, S695-S709	2.6	14
35	Laboratory and field evaluation of recycled unbound layers with cement for use in asphalt pavement rehabilitation. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 2669-2680	3.4	12
34	Investigation of the matric suction role on the curing mechanism of foamed asphalt stabilised mixtures. *Road Materials and Pavement Design*, **2019**, 20, S365-S389	2.6	11
33	Influence of viscoelastic properties of cold recycled asphalt mixtures on pavement response by means of temperature instrumentation. *Road Materials and Pavement Design*, **2019**, 20, S710-S724	2.6	7

32	Highly Modified Asphalt Binder for Asphalt Crack Relief Mix. *Transportation Research Record*, **2017**, 2630, 110-117	1.7	6
31	Effect of Different Creep and Recovery Times on the MSCR Test for Highly Modified Asphalt Binder. *Journal of Testing and Evaluation*, **2021**, 49, 20180584	1	6
30	Misturas asfl□ticas recicladas a quente com incorporaã de elevado percentual de fresado como alternativa para camada de m□dulo elevado. *Transportes*, **2016**, 24, 85	1	5
29	Use of regression trees to predict overweight trucks from historical weigh-in-motion data. *Journal of Traffic and Transportation Engineering (English Edition)*, **2020**, 7, 843-859	3.9	5
28	Stiffness assessment of cold recycled asphalt mixtures □Aspects related to filler type, stress state, viscoelasticity, and suction. *Construction and Building Materials*, **2022**, 318, 126003	6.7	4
27	Case Study of a Composite Layer with Large-Stone Asphalt Mixture for Heavy-Traffic Highways. *Journal of Transportation Engineering Part B: Pavements*, **2020**, 146, 04019040	1.4	4
26	Multi-scale study of bio-binder mixtures as surface layer: Laboratory evaluation and field application and monitoring. *Construction and Building Materials*, **2021**, 287, 122982	6.7	4
25	Effect of temperature on the fatigue behavior of asphalt binder. *Applied Rheology*, **2019**, 29, 30-40	1.2	3
24	Effect of Binder Rheology and Aggregate Gradation on the Permanent Deformation of Asphalt Mixtures. *International Journal of Civil Engineering*, **2021**, 19, 777-787	1.9	3
23	Compaction methods of cold recycled asphalt mixtures and their effects on pavement analysis. *Road Materials and Pavement Design*, **2021**, 22, S154-S179	2.6	3
22	Analysis of water flow in an asphalt pavement surface layer with different thicknesses and different permeability coefficients. *Road Materials and Pavement Design*, **2021**, 22, 82-100	2.6	3
21	Asphalt Binder Linear Amplitude Sweep Test: Contribution Related to the □Value Estimation. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020459	3	3
20	Laboratory Comparison of Permanent Deformation and Fatigue Behavior of Neat, Polymer, and Rubber-Asphalt Binders. *Transportation Research Record*, **2019**, 2673, 524-532	1.7	2
19	Rheological characterization of asphalt binders used in strain relief asphalt mixtures (SRAM)1. *DYNA (Colombia)*, **2017**, 84, 90-96	0.6	2
18	RILEM TC 279 WMR round robin study on waste polyethylene modified bituminous binders: advantages and challenges. *Road Materials and Pavement Design*,1-29	2.6	2
17	Avaliaã da resistncia ao trincamento de misturas asfl□ticas compostas por agregados mi□os com diferentes tamanhos m□ximos nominais. *Transportes*, **2014**, 22, 117	1	2
16	Evaluation of binder blending on warm mix asphalt recycling. *Transportes*, **2020**, 28, 87-99	1	2
15	Comparison of the rheological and the thermal behaviour of a neat asphalt binder and a wood-based binder for pavement surface layer. *Road Materials and Pavement Design*, **2021**, 22, S702-S717	2.6	2

14	Evaluate the Impact of the Reclaimed Asphalt Pavement (RAP) Binder Activation on its Shape Properties. *RILEM Bookseries*, **2022**, 747-753	0.5	2
13	The impact of aging heterogeneities within RAP binder on recycled asphalt mixture design. *Construction and Building Materials*, **2021**, 300, 124260	6.7	2
12	Field Evaluation of High Level Roads with Foamed Bitumen Stabilized Base Layers **2019**,		1
11	Three-dimensional numerical modelling of railway track with varying air voids content bituminous subballast. *Road Materials and Pavement Design*, **2020**, 1-19	2.6	1
10	A new approach to laboratory roller compaction method and its influence on surface texture and permanent deformation of asphalt mixtures. *International Journal of Pavement Engineering*,1-12	2.6	1
9	Characterization of neat and modified asphalt binders and mixtures in relation to permanent deformation. *Science and Engineering of Composite Materials*, **2019**, 26, 379-387	1.5	1
8	Field Aging Evaluation of Asphalt Binders by Chemical and Rheological Characterization. *RILEM Bookseries*, **2019**, 84-89	0.5	1
7	Aging Characterization of Biobinder Produced from Renewable Sources. *RILEM Bookseries*, **2019**, 9-14	0.5	1
6	Impact of Nonlinear Elastic Behavior of Foamed Asphalt Stabilized Mixes on Pavement Structural Performance. *Journal of Materials in Civil Engineering*, **2021**, 33, 04021261	3	1
5	Prediction of Fatigue Cracking in Flexible and Semi-rigid Asphalt Pavement Sections. *International Journal of Pavement Research and Technology*,1	2	
4	Adhesion Between Asphalt Layers Through the Leutner Shear Test. *RILEM Bookseries*, **2016**, 495-500	0.5	
3	Degree of Binder Activity on 100% Recycled Mixtures and Its Linear Viscoelasticity Behavior. *RILEM Bookseries*, **2022**, 529-536	0.5	
2	Investigation of Different Design Methods for Determining the Appropriate Binder Ratio on Recycled Asphalt Mixtures. *RILEM Bookseries*, **2022**, 1189-1195	0.5	
1	Probabilistic Service Life Model of Pavement Marking by Degradation Data. *Transportation Research Record*,036119812210893	1.7	