

Kamilla L Vasconcelos

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,121
citations

567247

15
h-index

414395

32
g-index

59
all docs

59
docs citations

59
times ranked

862
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory evaluation of recycled construction and demolition waste for pavements. <i>Construction and Building Materials</i> , 2011, 25, 2972-2979.	7.2	236
2	Surface Free Energy to Identify Moisture Sensitivity of Materials for Asphalt Mixes. <i>Transportation Research Record</i> , 2007, 2001, 37-45.	1.9	149
3	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.	4.0	137
4	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.	4.0	56
5	Laboratory and field evaluation of cold recycling mixture with foamed asphalt. <i>Road Materials and Pavement Design</i> , 2018, 19, 385-399.	4.0	50
6	History dependence of water diffusion in asphalt binders. <i>International Journal of Pavement Engineering</i> , 2011, 12, 497-506.	4.4	39
7	Experimental Measurement of Water Diffusion through Fine Aggregate Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 445-452.	2.9	37
8	Effect of mixture composition on the mechanical behaviour of cold recycled asphalt mixtures. <i>International Journal of Pavement Engineering</i> , 2021, 22, 984-994.	4.4	37
9	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.	7.2	35
10	Design of cold recycled mixes with asphalt emulsion and portland cement. <i>Canadian Journal of Civil Engineering</i> , 2016, 43, 773-782.	1.3	31
11	Measurement of Water Diffusion in Asphalt Binders Using Fourier Transform Infrared Attenuated Total Reflectance. <i>Transportation Research Record</i> , 2010, 2179, 29-38.	1.9	29
12	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.	7.2	24
13	Fatigue resistance of asphalt binders and the correlation with asphalt mixture behaviour. <i>Road Materials and Pavement Design</i> , 2019, 20, S695-S709.	4.0	24
14	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.	3.1	18
15	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.	4.0	17
16	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.	4.0	15
17	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.	4.0	13
18	The impact of aging heterogeneities within RAP binder on recycled asphalt mixture design. <i>Construction and Building Materials</i> , 2021, 300, 124260.	7.2	13

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19	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.	4.2	12
20	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.	7.2	11
21	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.	0.7	11
22	RILEM TC 279 WMR round robin study on waste polyethylene modified bituminous binders: advantages and challenges. <i>Road Materials and Pavement Design</i> , 2023, 24, 311-339.	4.0	11
23	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.	2.0	9
24	Compaction methods of cold recycled asphalt mixtures and their effects on pavement analysis. <i>Road Materials and Pavement Design</i> , 2021, 22, S154-S179.	4.0	9
25	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.	1.4	8
26	Misturas asfálticas recicladas a quente com incorporação de elevado percentual de fresado como alternativa para camada de m3dulo elevado. <i>Transportes</i> , 2016, 24, 85.	0.2	8
27	Effect of temperature on the fatigue behavior of asphalt binder. <i>Applied Rheology</i> , 2019, 29, 30-40.	5.2	7
28	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.	7.2	7
29	Highly Modified Asphalt Binder for Asphalt Crack Relief Mix. <i>Transportation Research Record</i> , 2017, 2630, 110-117.	1.9	6
30	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.	4.0	6
31	Evaluation of binder blending on warm mix asphalt recycling. <i>Transportes</i> , 2020, 28, 87-99.	0.2	6
32	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.	1.5	5
33	Asphalt Binder Linear Amplitude Sweep Test: Contribution Related to the $\hat{\mu}$ -Value Estimation. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, 04020459.	2.9	5
34	Three-dimensional numerical modelling of railway track with varying air voids content bituminous subballast. <i>Road Materials and Pavement Design</i> , 2022, 23, 414-432.	4.0	4
35	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.	4.0	4
36	Efeito da umidade inicial e do tempo de cura nas propriedades mecânicas de misturas solo-cimento. <i>Transportes</i> , 2017, 25, 68.	0.2	4

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37	Impact of Nonlinear Elastic Behavior of Foamed Asphalt Stabilized Mixes on Pavement Structural Performance. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	3
38	Probabilistic Service Life Model of Pavement Marking by Degradation Data. <i>Transportation Research Record</i> , 2022, 2676, 328-340.	1.9	3
39	Rheological characterization of asphalt binders used in strain relief asphalt mixtures (SRAM)1. <i>DYNA (Colombia)</i> , 2017, 84, 90-96.	0.4	2
40	Laboratory Comparison of Permanent Deformation and Fatigue Behavior of Neat, Polymer, and Rubber-Asphalt Binders. <i>Transportation Research Record</i> , 2019, 2673, 524-532.	1.9	2
41	Agging Characterization of Biobinder Produced from Renewable Sources. <i>RILEM Bookseries</i> , 2019, , 9-14.	0.4	2
42	Avalia�o da resist�ncia ao trincamento de misturas asf�lticas compostas por agregados mi�dos com diferentes tamanhos m�ximos nominais. <i>Transportes</i> , 2014, 22, 117.	0.2	2
43	Avalia�o da influ�ncia do envelhecimento e da temperatura nas caracter�sticas viscoel�sticas de ligantes asf�lticos. <i>Transportes</i> , 2020, 28, 135-146.	0.2	2
44	Machine learning techniques to estimate the degree of binder activity of reclaimed asphalt pavement. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, .	3.1	2
45	Field Evaluation of High Level Roads with Foamed Bitumen Stabilized Base Layers. , 2019, , .		1
46	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> , 2022, 23, 3867-3878.	4.4	1
47	Influ�ncia das propriedades de forma da fra�o gra�da do agregado no controle da deforma�o permanente de misturas asf�lticas densas. <i>Transportes</i> , 2021, 29, .	0.2	1
48	Degree of Binder Activity on 100% Recycled Mixtures and Its Linear Viscoelasticity Behavior. <i>RILEM Bookseries</i> , 2022, , 529-536.	0.4	1
49	Adhesion Between Asphalt Layers Through the Leutner Shear Test. <i>RILEM Bookseries</i> , 2016, , 495-500.	0.4	1
50	Procedimentos de extra�o e recupera�o de ligantes asf�lticos: uma revis�o da literatura. <i>Transportes</i> , 2022, 30, 2580.	0.2	1
51	Reclaimed Asphalt Pavement Binder Extraction and Recovery Evaluation and Their Effects on the Recycling Agent Assessment. <i>Transportation Research Record</i> , 2022, 2676, 707-721.	1.9	1
52	13th Conference of the International Society for Asphalt Pavements (ISAP). <i>Road Materials and Pavement Design</i> , 2019, 20, S557-S557.	4.0	0
53	Caracteriza�o de emuls�es asf�lticas brasileiras a partir do protocolo Emulsion Performance Grade (EPG). <i>Transportes</i> , 2021, 29, 247-263.	0.2	0
54	Investigation of Different Design Methods for Determining the Appropriate Binder Ratio on Recycled Asphalt Mixtures. <i>RILEM Bookseries</i> , 2022, , 1189-1195.	0.4	0

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55	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.	4.0	0
56	Influência da velocidade de carregamento e temperatura no comportamento mecânico de misturas recicladas a frio com emulsão asfáltica e espuma de asfalto. Transportes, 2019, 27, 67-83.	0.2	0
57	Prediction of Fatigue Cracking in Flexible and Semi-rigid Asphalt Pavement Sections. International Journal of Pavement Research and Technology, 0, , 1.	2.6	0