Liedi L B Bernucci

List of Publications by Citations

51 papers	598 citations	13 h-index	23 g-index
63 ext. papers	732 ext. citations	2.3 avg, IF	4.46 L-index

#	Paper	IF	Citations
51	Laboratory evaluation of recycled construction and demolition waste for pavements. *Construction and Building Materials*, **2011**, 25, 2972-2979	6.7	171
50	Laboratory and field evaluation of cold recycling mixture with foamed asphalt. *Road Materials and Pavement Design*, **2018**, 19, 385-399	2.6	39
49	Durability of hot and warm asphalt mixtures containing high rates of reclaimed asphalt at laboratory scale. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 3937-3948	3.4	36
48	Performance of Hot Mix Asphalt Concrete Produced with Coarse Recycled Concrete Aggregate. *Journal of Materials in Civil Engineering*, **2015**, 27, 04015030	3	33
47	Characterization of the rutting potential of modified asphalt binders and its correlation with the mixtures rut resistance. *Construction and Building Materials*, **2017**, 144, 207-213	6.7	25
46	Design of cold recycled mixes with asphalt emulsion and portland cement. *Canadian Journal of Civil Engineering*, **2016**, 43, 773-782	1.3	24
45	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
44	Evaluation of friction mechanisms and wear rates on rubber tire materials by low-cost laboratory tests. *Wear*, **2015**, 328-329, 556-562	3.5	22
43	The potential of Attenuated Total Reflection imaging in the mid-infrared for the study of recycled asphalt mixtures. *Construction and Building Materials*, **2016**, 124, 1120-1131	6.7	19
42	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
41	Laboratory Study of Phosphogypsum, Stabilizers, and Tropical Soil Mixtures. *Journal of Materials in Civil Engineering*, **2017**, 29, 04016188	3	17
40	Application of recycled aggregates from construction and demolition waste with Portland cement and hydrated lime as pavement subbase in Brazil. *Construction and Building Materials*, **2020**, 258, 119520	6.7	14
39	Fatigue resistance of asphalt binders and the correlation with asphalt mixture behaviour. *Road Materials and Pavement Design*, **2019**, 20, S695-S709	2.6	14
38	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
37	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
36	Cold Recycled Asphalt Mixture using 100% RAP with Emulsified Asphalt-Recycling Agent as a New Pavement Base Course. *Advances in Materials Science and Engineering*, **2020**, 2020, 1-11	1.5	10
35	Characterization of granite and limestone powders for use as fillers in bituminous mastics dosage. *Anais Da Academia Brasileira De Ciencias*, **2014**, 86, 995-1002	1.4	9

34	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
33	Monitoring the condition of roads pavement surfaces: proposal of methodology using hyperspectral images. *Journal of Transport Literature*, **2014**, 8, 201-220		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	Fatigue behavior of dense asphalt mixes in dry and environmental-conditioning states. *Construction and Building Materials*, **2012**, 29, 128-134	6.7	5
29	Methods to Monitor and Evaluate the Deterioration of Track and Its Components in a Railway In-Service: A Systemic Review. *Frontiers in Built Environment*, **2020**, 6,	2.2	5
28	Effect of asphalt binder hardness and temperature on fatigue life and complex modulus of hot mixes. *Construction and Building Materials*, **2016**, 114, 755-762	6.7	5
27	Comparison of the n-alkanes and polycyclic aromatic hydrocarbons concentrations in the atmosphere during the preparation of warm and hot mixtures asphalt for pavements. *Journal of the Brazilian Chemical Society*, **2012**, 23, 1501-1505	1.5	4
26	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
25	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
24	Pavement markings: identification of relevant covariates and controllable factors of retroreflectivity performance as a road safety measure. *Transportation Safety and Environment*,	2.6	4
23	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
22	Case history study: field monitoring and performance prediction of a field-blended rubber asphalt mixture in Brazil. *International Journal of Pavement Engineering*, **2019**, 20, 172-182	2.6	4
21	Rutting behavior and rheological modeling of EVA-modified binders in the mixture and binder scales. *Materials and Structures/Materiaux Et Constructions*, **2019**, 52, 1	3.4	3
20	Effect of temperature on the fatigue behavior of asphalt binder. *Applied Rheology*, **2019**, 29, 30-40	1.2	3
19	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
18	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
17	Asphalt Binder Linear Amplitude Sweep Test: Contribution Related to the Value Estimation. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020459	3	3

16	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
15	Modelling and permanent deformation analysis of low-density polyethylene (PE)-modified bitumens and asphalts. *Road Materials and Pavement Design*, **2020**, 1-21	2.6	2
14	Rheological characterization of asphalt binders used in strain relief asphalt mixtures (SRAM)1. *DYNA (Colombia)*, **2017**, 84, 90-96	0.6	2
13	Evaluation of binder blending on warm mix asphalt recycling. *Transportes*, **2020**, 28, 87-99	1	2
12	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
11	Classificação híbrida: pixel a pixel e baseada em objetos para o monitoramento da condição da superfície dos pavimentos rodoviários. *Boletim De Ciencias Geodesicas*, **2012**, 18, 397-420	1.1	1
10	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
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	Investigation of Different Design Methods for Determining the Appropriate Binder Ratio on Recycled Asphalt Mixtures. *RILEM Bookseries*, **2022**, 1189-1195	0.5	
2	Characterization of granite and limestone powders for use as fillers in bituminous mastics dosage. *Anais Da Academia Brasileira De Ciencias*, **2014**, 86, 995-1002	1.4	
1	Probabilistic Service Life Model of Pavement Marking by Degradation Data. *Transportation Research Record*,036119812210893	1.7	