# Liedi L B Bernucci

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 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 | 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 |
| 50 | Investigation of Different Design Methods for Determining the Appropriate Binder Ratio on Recycled Asphalt Mixtures. *RILEM Bookseries*, **2022**, 1189-1195 | 0.5 | |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | Asphalt Binder Linear Amplitude Sweep Test: Contribution Related to the Value Estimation. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020459 | 3 | 3 |
| 43 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | 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 |
| 39 | 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 |
| 38 | Evaluation of binder blending on warm mix asphalt recycling. *Transportes*, **2020**, 28, 87-99 | 1 | 2 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |

| | | | |
|---|---|---|---|
| 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 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Effect of temperature on the fatigue behavior of asphalt binder. *Applied Rheology*, **2019**, 29, 30-40 | 1.2 | 3 |
| 29 | Fatigue resistance of asphalt binders and the correlation with asphalt mixture behaviour. *Road Materials and Pavement Design*, **2019**, 20, S695-S709 | 2.6 | 14 |
| 28 | 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 |
| 27 | Field Aging Evaluation of Asphalt Binders by Chemical and Rheological Characterization. *RILEM Bookseries*, **2019**, 84-89 | 0.5 | 1 |
| 26 | Aging Characterization of Biobinder Produced from Renewable Sources. *RILEM Bookseries*, **2019**, 9-14 | 0.5 | 1 |
| 25 | 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 |
| 24 | Laboratory and field evaluation of cold recycling mixture with foamed asphalt. *Road Materials and Pavement Design*, **2018**, 19, 385-399 | 2.6 | 39 |
| 23 | 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 |
| 22 | 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 |
| 21 | Rheological characterization of asphalt binders used in strain relief asphalt mixtures (SRAM)1. *DYNA (Colombia)*, **2017**, 84, 90-96 | 0.6 | 2 |
| 20 | Highly Modified Asphalt Binder for Asphalt Crack Relief Mix. *Transportation Research Record*, **2017**, 2630, 110-117 | 1.7 | 6 |
| 19 | Laboratory Study of Phosphogypsum, Stabilizers, and Tropical Soil Mixtures. *Journal of Materials in Civil Engineering*, **2017**, 29, 04016188 | 3 | 17 |
| 18 | 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 |
| 17 | Design of cold recycled mixes with asphalt emulsion and portland cement. *Canadian Journal of Civil Engineering*, **2016**, 43, 773-782 | 1.3 | 24 |

| | | | |
|---|---|---|---|
| 16 | Adhesion Between Asphalt Layers Through the Leutner Shear Test. *RILEM Bookseries*, **2016**, 495-500 | 0.5 | |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | Performance of Hot Mix Asphalt Concrete Produced with Coarse Recycled Concrete Aggregate. *Journal of Materials in Civil Engineering*, **2015**, 27, 04015030 | 3 | 33 |
| 10 | Monitoring the condition of roads pavement surfaces: proposal of methodology using hyperspectral images. *Journal of Transport Literature*, **2014**, 8, 201-220 | | 7 |
| 9 | 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 |
| 8 | 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 | |
| 7 | Fatigue behavior of dense asphalt mixes in dry and environmental-conditioning states. *Construction and Building Materials*, **2012**, 29, 128-134 | 6.7 | 5 |
| 6 | 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 |
| 5 | 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 |
| 4 | Laboratory evaluation of recycled construction and demolition waste for pavements. *Construction and Building Materials*, **2011**, 25, 2972-2979 | 6.7 | 171 |
| 3 | Prediction of Fatigue Cracking in Flexible and Semi-rigid Asphalt Pavement Sections. *International Journal of Pavement Research and Technology*,1 | 2 | |
| 2 | Pavement markings: identification of relevant covariates and controllable factors of retroreflectivity performance as a road safety measure. *Transportation Safety and Environment*, | 2.6 | 4 |
| 1 | Probabilistic Service Life Model of Pavement Marking by Degradation Data. *Transportation Research Record*,036119812210893 | 1.7 | |