

# Lucia Tsantilis

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

581  
citations

840776

11  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

418  
citing authors

#	ARTICLE	IF	CITATIONS
1	Testing Methods to Assess Healing Potential of Bituminous Binders. RILEM Bookseries, 2022, , 55-62.	0.4	4
2	Investigating the effect of temperature on self-healing properties of neat and polymer-modified bituminous binders. Road Materials and Pavement Design, 2022, 23, 2-15.	4.0	3
3	A novel methodology for the evaluation of low temperature failure properties of asphalt binders. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	3.1	4
4	Ageing effects on the linear and nonlinear viscoelasticity of bituminous binders. Road Materials and Pavement Design, 2021, 22, S37-S50.	4.0	6
5	A new approach for the evaluation of time-temperature superposition effects on the self-healing of bituminous binders. Construction and Building Materials, 2021, 287, 122987.	7.2	9
6	Non- petroleum- Based Binders for Paving Applications: Rheological and Chemical Investigation on Ageing Effects. Lecture Notes in Civil Engineering, 2020, , 67-76.	0.4	4
7	Impact of nanosized additives on the fatigue damage behaviour of asphalt mixtures. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2738-2746.	3.4	8
8	Effect of SBS molecular structure on the rheological properties of ternary nanomodified bituminous binders. Construction and Building Materials, 2019, 222, 183-192.	7.2	19
9	Low-temperature properties of bituminous nanocomposites for road applications. Construction and Building Materials, 2018, 171, 397-403.	7.2	11
10	Evaluation of healing potential of bituminous binders using a viscoelastic continuum damage approach. Construction and Building Materials, 2018, 184, 344-350.	7.2	14
11	Investigating cohesive healing of asphalt binders by means of a dissipated energy approach. International Journal of Pavement Research and Technology, 2017, 10, 403-409.	2.6	15
12	Fatigue and healing properties of bituminous mastics reinforced with nano-sized additives. Mechanics of Time-Dependent Materials, 2016, 20, 367-387.	4.4	26
13	Bituminous-based nanocomposites with improved high-temperature properties. Composites Part B: Engineering, 2016, 99, 9-16.	12.0	15
14	Experimental Investigation on the Combined Effects of Physical Hardening and Chemical Ageing on Low Temperature Properties of Bituminous Binders. RILEM Bookseries, 2016, , 631-641.	0.4	7
15	Storage Stability of Bituminous Binders Reinforced with Nano-Additives. RILEM Bookseries, 2016, , 75-87.	0.4	9
16	Fatigue and healing properties of nano-reinforced bituminous binders. International Journal of Fatigue, 2015, 80, 30-39.	5.7	80
17	Fatigue properties of bituminous binders reinforced with carbon nanotubes. International Journal of Pavement Engineering, 2015, 16, 80-90.	4.4	57
18	Effect of sonication on high temperature properties of bituminous binders reinforced with nano-additives. Construction and Building Materials, 2015, 75, 395-403.	7.2	46

#	ARTICLE	IF	CITATIONS
19	Evaluation of the anti-rutting potential of polymer-modified binders by means of creep-recovery shear tests. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013, 46, 1673-1682.	3.1	53
20	Evaluation of self healing properties of bituminous binders taking into account steric hardening effects. <i>Construction and Building Materials</i> , 2013, 41, 60-67.	7.2	51
21	Effects of Nano-sized Additives on the High-Temperature Properties of Bituminous Binders: A Comparative Study. , 2013, , 297-309.		13
22	Rheological Characterization of Bituminous Binders Modified with Carbon Nanotubes. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 53, 546-555.	0.5	124
23	Investigating the influence of fine RAP on bituminous mixtures at the mastic scale: viscoelastic analyses and micromechanical modelling. <i>International Journal of Pavement Engineering</i> , 0, , 1-11.	4.4	1