

Aikaterini Varveri

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

460
citations

840776

11
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

332
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal aging behaviors of the waste tire rubber used in bitumen modification. Progress in Rubber, Plastics and Recycling Technology, 2022, 38, 56-69.	1.8	6
2	Experimental Validation of the Dual-Oxidation Routes in Bituminous Binders. RILEM Bookseries, 2022, , 903-909.	0.4	0
3	Do chemistry and rheology follow the same laboratory ageing trends in bitumen?. Materials and Structures/Materiaux Et Constructions, 2022, 55, .	3.1	16
4	Ageing effect on chemo-mechanics of bitumen. Road Materials and Pavement Design, 2021, 22, 1044-1059.	4.0	20
5	Effect of mineral fillers on ageing of bituminous mastics. Construction and Building Materials, 2021, 276, 122215.	7.2	6
6	Effect of filler properties on the hydrothermal ageing of bituminous mastics. Road Materials and Pavement Design, 2021, 22, S2-S22.	4.0	4
7	Comprehensive review on the transport and reaction of oxygen and moisture towards coupled oxidative ageing and moisture damage of bitumen. Construction and Building Materials, 2021, 283, 122632.	7.2	44
8	Towards an understanding of diffusion mechanism of bio-rejuvenators in aged asphalt binder through molecular dynamics simulation. Journal of Cleaner Production, 2021, 299, 126927.	9.3	80
9	Exploring the oxidative mechanisms of bitumen after laboratory short- and long-term ageing. Construction and Building Materials, 2021, 289, 123182.	7.2	37
10	Differences in the Ageing Behavior of Asphalt Pavements with Porous and Stone Mastic Asphalt Mixtures. Transportation Research Record, 2021, 2675, 1138-1149.	1.9	8
11	Rheological, fatigue and relaxation properties of aged bitumen. International Journal of Pavement Engineering, 2020, 21, 1024-1033.	4.4	41
12	Advancements in the characterisation and design of asphalt materials. International Journal of Pavement Engineering, 2020, 21, 955-955.	4.4	0
13	Experimental investigation of the oxidative ageing mechanisms in bitumen. Construction and Building Materials, 2020, 260, 119702.	7.2	32
14	Study on the Asphalt Pavement Response in the Accelerated Pavement Testing Facility. Lecture Notes in Civil Engineering, 2020, , 871-880.	0.4	2
15	Laboratory and Field Aging Effect on Bitumen Chemistry and Rheology in Porous Asphalt Mixture. Transportation Research Record, 2019, 2673, 365-374.	1.9	36
16	Ageing Effect on Chemo-Mechanics of Bitumen. RILEM Bookseries, 2019, , 71-76.	0.4	3
17	Effects of Different Aging Methods on Chemical and Rheological Properties of Bitumen. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	48
18	The Effect of Ageing on Chemical and Mechanical Properties of Asphalt Mortar. Applied Sciences (Switzerland), 2018, 8, 2231.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Microstructural Analysis of Porous Asphalt Concrete Mix Subjected to Rolling Truck Tire Loads. Transportation Research Record, 2016, 2575, 113-122.	1.9	7
20	Experimental evaluation of long- and short-term moisture damage characteristics of asphalt mixtures. Road Materials and Pavement Design, 2016, 17, 168-186.	4.0	33
21	Influence of Air Void Content on Moisture Damage Susceptibility of Asphalt Mixtures. Transportation Research Record, 2014, 2446, 8-16.	1.9	25