

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	Towards an understanding of diffusion mechanism of bio-rejuvenators in aged asphalt binder through molecular dynamics simulation. <i>Journal of Cleaner Production</i> , 2021, 299, 126927.	9.3	80
2	Effects of Different Aging Methods on Chemical and Rheological Properties of Bitumen. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	2.9	48
3	Comprehensive review on the transport and reaction of oxygen and moisture towards coupled oxidative ageing and moisture damage of bitumen. <i>Construction and Building Materials</i> , 2021, 283, 122632.	7.2	44
4	Rheological, fatigue and relaxation properties of aged bitumen. <i>International Journal of Pavement Engineering</i> , 2020, 21, 1024-1033.	4.4	41
5	Exploring the oxidative mechanisms of bitumen after laboratory short- and long-term ageing. <i>Construction and Building Materials</i> , 2021, 289, 123182.	7.2	37
6	Laboratory and Field Aging Effect on Bitumen Chemistry and Rheology in Porous Asphalt Mixture. <i>Transportation Research Record</i> , 2019, 2673, 365-374.	1.9	36
7	Experimental evaluation of long- and short-term moisture damage characteristics of asphalt mixtures. <i>Road Materials and Pavement Design</i> , 2016, 17, 168-186.	4.0	33
8	Experimental investigation of the oxidative ageing mechanisms in bitumen. <i>Construction and Building Materials</i> , 2020, 260, 119702.	7.2	32
9	Influence of Air Void Content on Moisture Damage Susceptibility of Asphalt Mixtures. <i>Transportation Research Record</i> , 2014, 2446, 8-16.	1.9	25
10	Ageing effect on chemo-mechanics of bitumen. <i>Road Materials and Pavement Design</i> , 2021, 22, 1044-1059.	4.0	20
11	Do chemistry and rheology follow the same laboratory ageing trends in bitumen?. <i>Materials and Structures/Materiaux Et Constructions</i> , 2022, 55, .	3.1	16
12	The Effect of Ageing on Chemical and Mechanical Properties of Asphalt Mortar. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2231.	2.5	11
13	Differences in the Ageing Behavior of Asphalt Pavements with Porous and Stone Mastic Asphalt Mixtures. <i>Transportation Research Record</i> , 2021, 2675, 1138-1149.	1.9	8
14	Microstructural Analysis of Porous Asphalt Concrete Mix Subjected to Rolling Truck Tire Loads. <i>Transportation Research Record</i> , 2016, 2575, 113-122.	1.9	7
15	Effect of mineral fillers on ageing of bituminous mastics. <i>Construction and Building Materials</i> , 2021, 276, 122215.	7.2	6
16	Thermal aging behaviors of the waste tire rubber used in bitumen modification. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2022, 38, 56-69.	1.8	6
17	Effect of filler properties on the hydrothermal ageing of bituminous mastics. <i>Road Materials and Pavement Design</i> , 2021, 22, S2-S22.	4.0	4
18	Ageing Effect on Chemo-Mechanics of Bitumen. <i>RILEM Bookseries</i> , 2019, , 71-76.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Study on the Asphalt Pavement Response in the Accelerated Pavement Testing Facility. Lecture Notes in Civil Engineering, 2020, , 871-880.	0.4	2
20	Advancements in the characterisation and design of asphalt materials. International Journal of Pavement Engineering, 2020, 21, 955-955.	4.4	0
21	Experimental Validation of the Dual-Oxidation Routes in Bituminous Binders. RILEM Bookseries, 2022, , 903-909.	0.4	0