

Peter Mikhailenko

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

562
citations

566801

15
h-index

642321

23
g-index

32
all docs

32
docs citations

32
times ranked

451
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Noise pavement technologies and evaluation techniques: a literature review. International Journal of Pavement Engineering, 2022, 23, 1911-1934.	2.2	43
2	An Interlaboratory Test Program on the Extensive Use of Waste Aggregates in Asphalt Mixtures: Preliminary Steps. RILEM Bookseries, 2022, , 215-221.	0.2	5
3	Multiscale Laboratory Mechanical Performance of SDA Mixtures with Construction and Demolition Waste Filler. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	5
4	Environmental trade-offs for using low-noise pavements: Life cycle assessment with noise considerations. Science of the Total Environment, 2022, 842, 156846.	3.9	10
5	Unraveling the modification mechanisms of waste bio-oils and crumb rubber on asphalt binder based on microscopy and chemo-rheology. Resources, Conservation and Recycling, 2022, 185, 106447.	5.3	27
6	Urban mining for asphalt pavements: A review. Journal of Cleaner Production, 2021, 280, 124916.	4.6	44
7	Evaluation of solvents for asphalt extraction. Road Materials and Pavement Design, 2021, 22, 1195-1206.	2.0	7
8	Analysis of waste polyethylene (PE) and its by-products in asphalt binder. Construction and Building Materials, 2021, 280, 122492.	3.2	71
9	Effect of waste PET and CR as sand replacement on the durability and acoustical properties of semi dense asphalt (SDA) mixtures. Sustainable Materials and Technologies, 2021, 29, e00295.	1.7	7
10	Durability and surface properties of low-noise pavements with recycled concrete aggregates. Journal of Cleaner Production, 2021, 319, 128788.	4.6	19
11	Recycled bio-sourced glycerol and diglycerol for asphalt release agents (ARA). Road Materials and Pavement Design, 2020, 21, 201-216.	2.0	3
12	Extraction and recovery of asphalt binder: a literature review. International Journal of Pavement Research and Technology, 2020, 13, 20-31.	1.3	20
13	Incorporation of recycled concrete aggregate (RCA) fractions in semi-dense asphalt (SDA) pavements: Volumetrics, durability and mechanical properties. Construction and Building Materials, 2020, 264, 120166.	3.2	37
14	Properties of Asphalt Binders with Increasing SBS Polymer Modification. Lecture Notes in Civil Engineering, 2020, , 55-66.	0.3	5
15	Comparison of ESEM and physical properties of virgin and laboratory aged asphalt binders. Fuel, 2019, 235, 627-638.	3.4	41
16	Characterization of Recovered Bitumen from Coarse and Fine Reclaimed Asphalt Pavement Particles. Infrastructures, 2019, 4, 24.	1.4	5
17	Investigation on the combined effect of aging temperatures and cooling medium on rheological properties of asphalt binder based on DSR and BBR. Road Materials and Pavement Design, 2019, 20, S409-S433.	2.0	36
18	ESEM Microstructural and Physical Properties of Virgin and Laboratory Aged Bitumen. RILEM Bookseries, 2019, , 150-155.	0.2	3

#	ARTICLE	IF	CITATIONS
19	Comparison of Chemical and Microstructural Properties of Virgin and Reclaimed Asphalt Pavement Binders and Their Saturate, Aromatic, Resin, and Asphaltene Fractions. <i>Energy & Fuels</i> , 2019, 33, 2633-2640.	2.5	21
20	Recommendations of RILEM TC 252-CMB on the Effect of Short Term Aging Temperature on Long Term Properties of Asphalt Binder. <i>RILEM Bookseries</i> , 2019, , 44-49.	0.2	2
21	Protocol for the morphology analysis of SBS polymer modified bitumen images obtained by using fluorescent microscopy. <i>International Journal of Pavement Engineering</i> , 2019, 20, 585-591.	2.2	18
22	Recovery of asphalt mixture stiffness during fatigue loading rest periods. <i>Construction and Building Materials</i> , 2018, 158, 591-600.	3.2	24
23	Influence of physico-chemical characteristics on the carbonation of cement paste at high replacement rates of metakaolin. <i>Construction and Building Materials</i> , 2018, 158, 164-172.	3.2	32
24	A Source Pollution Control Measure Based on Spatial-Temporal Distribution Characteristic of the Runoff Pollutants at Urban Pavement Sites. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1802.	1.3	2
25	Observation of asphalt binder microstructure with ESEM. <i>Journal of Microscopy</i> , 2017, 267, 347-355.	0.8	27
26	Observation of bitumen microstructure oxidation and blending with ESEM. <i>Road Materials and Pavement Design</i> , 2017, 18, 216-225.	2.0	20
27	Methods to Evaluate the Aging Grades of Reclaimed Asphalt Binder. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1209.	1.3	7
28	Determination of the performance and damage to asphalt of bio-sourced asphalt release agents (ARAs) Part II: evaluation of biodegradable products for use as ARAs and bitumen removers (BRs). <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 1419-1432.	1.3	2
29	Methods for Analyzing the Chemical Mechanisms of Bitumen Aging and Rejuvenation with FTIR Spectrometry. <i>RILEM Bookseries</i> , 2016, , 203-214.	0.2	13
30	Determination of the performance and damage to asphalt of bio-sourced asphalt release agents (ARAs) part I: developing test methods. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 1403-1418.	1.3	4
31	Developing test methods for the determination of the performance and safety of bio-sourced Asphalt Release Agents (ARAs). , 2014, , 1713-1723.		1