Peter Mikhailenko

List of Publications by Year in descending order

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	Analysis of waste polyethylene (PE) and its by-products in asphalt binder. Construction and Building Materials, 2021, 280, 122492.	3.2	71
2	Urban mining for asphalt pavements: A review. Journal of Cleaner Production, 2021, 280, 124916.	4.6	44
3	Low-Noise pavement technologies and evaluation techniques: a literature review. International Journal of Pavement Engineering, 2022, 23, 1911-1934.	2.2	43
4	Comparison of ESEM and physical properties of virgin and laboratory aged asphalt binders. Fuel, 2019, 235, 627-638.	3.4	41
5	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
6	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
7	Influence of physico-chemical characteristics on the carbonation of cement paste at high replacement rates of metakaolin. Construction and Building Materials, 2018, 158, 164-172.	3.2	32
8	Observation of asphalt binder microstructure with ESEM. Journal of Microscopy, 2017, 267, 347-355.	0.8	27
9	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
10	Recovery of asphalt mixture stiffness during fatigue loading rest periods. Construction and Building Materials, 2018, 158, 591-600.	3.2	24
11	Comparison of Chemical and Microstructural Properties of Virgin and Reclaimed Asphalt Pavement Binders and Their Saturate, Aromatic, Resin, and Asphaltene Fractions. Energy & Fuels, 2019, 33, 2633-2640.	2.5	21
12	Observation of bitumen microstructure oxidation and blending with ESEM. Road Materials and Pavement Design, 2017, 18, 216-225.	2.0	20
13	Extraction and recovery of asphalt binder: a literature review. International Journal of Pavement Research and Technology, 2020, 13, 20-31.	1.3	20
14	Durability and surface properties of low-noise pavements with recycled concrete aggregates. Journal of Cleaner Production, 2021, 319, 128788.	4.6	19
15	Protocol for the morphology analysis of SBS polymer modified bitumen images obtained by using fluorescent microscopy. International Journal of Pavement Engineering, 2019, 20, 585-591.	2.2	18
16	Methods for Analyzing the Chemical Mechanisms of Bitumen Aging and Rejuvenation with FTIR Spectrometry. RILEM Bookseries, 2016, , 203-214.	0.2	13
17	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
18	Methods to Evaluate the Aging Grades of Reclaimed Asphalt Binder. Applied Sciences (Switzerland), 2017, 7, 1209.	1.3	7

#	Article	IF	Citations
19	Evaluation of solvents for asphalt extraction. Road Materials and Pavement Design, 2021, 22, 1195-1206.	2.0	7
20	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
21	Characterization of Recovered Bitumen from Coarse and Fine Reclaimed Asphalt Pavement Particles. Infrastructures, 2019, 4, 24.	1.4	5
22	An Interlaboratory Test Program on the Extensive Use of Waste Aggregates in Asphalt Mixtures: Preliminary Steps. RILEM Bookseries, 2022, , 215-221.	0.2	5
23	Properties of Asphalt Binders with Increasing SBS Polymer Modification. Lecture Notes in Civil Engineering, 2020, , 55-66.	0.3	5
24	Multiscale Laboratory Mechanical Performance of SDA Mixtures with Construction and Demolition Waste Filler. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	5
25	Determination of the performance and damage to asphaltÂof bio-sourced asphalt release agents (ARAs) part I: developing test methods. Materials and Structures/Materiaux Et Constructions, 2016, 49, 1403-1418.	1.3	4
26	ESEM Microstructural and Physical Properties of Virgin and Laboratory Aged Bitumen. RILEM Bookseries, 2019, , 150-155.	0.2	3
27	Recycled bio-sourced glycerol and diglycerol for asphalt release agents (ARA). Road Materials and Pavement Design, 2020, 21, 201-216.	2.0	3
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). Materials and Structures/Materiaux Et Constructions, 2016, 49, 1419-1432.	1.3	2
29	A Source Pollution Control Measure Based on Spatial-Temporal Distribution Characteristic of the Runoff Pollutants at Urban Pavement Sites. Applied Sciences (Switzerland), 2018, 8, 1802.	1.3	2
30	Recommendations of RILEM TC 252-CMB on the Effect of Short Term Aging Temperature on Long Term Properties of Asphalt Binder. RILEM Bookseries, 2019, , 44-49.	0.2	2
31	Developing test methods for the determination of the performance and safety of bio-sourced Asphalt Release Agents (ARAs). , 2014, , 1713-1723.		1