

Bo Li

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

277
citations

933447

10
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

198
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of microwave-activated crumb rubber on reaction mechanism, rheological properties, thermal stability, and released volatiles of asphalt binder. <i>Journal of Cleaner Production</i> , 2020, 248, 119230.	9.3	61
2	Mechanical properties and reaction mechanism of microwave-activated crumb rubber-modified asphalt before and after thermal aging. <i>Construction and Building Materials</i> , 2021, 267, 120773.	7.2	31
3	Evaluation of the adhesion characteristics of material composition for polyphosphoric acid and SBS modified bitumen based on surface free energy theory. <i>Construction and Building Materials</i> , 2021, 266, 121022.	7.2	23
4	Microscopic Properties of Hydrogen Peroxide Activated Crumb Rubber and Its Influence on the Rheological Properties of Crumb Rubber Modified Asphalt. <i>Materials</i> , 2019, 12, 1434.	2.9	22
5	Aging Properties and Mechanism of Microwave-Activated Crumb Rubber Modified Asphalt Binder. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	20
6	Effect of Short-Term Aging Process on the Moisture Susceptibility of Asphalt Mixtures and Binders Containing Sasobit Warm Mix Additive. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.8	17
7	Influence of Ultraviolet Aging on Adhesion Performance of Warm Mix Asphalt Based on the Surface Free Energy Theory. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2046.	2.5	17
8	Effect of Short-Term Aging on Asphalt Modified Using Microwave Activation Crumb Rubber. <i>Materials</i> , 2019, 12, 1039.	2.9	17
9	Influence of Ultraviolet and Oxygen Coupling Aging on Rheological Properties and Functional Group Index of Warm Mix Asphalt Binder. <i>Materials</i> , 2020, 13, 4216.	2.9	14
10	Evaluation and selection of sealants and fillers using principal component analysis for cracks in asphalt concrete pavements. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 408-412.	1.0	13
11	Microstructure morphologies of asphalt binders using atomic force microscopy. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 1261-1266.	1.0	10
12	Preparation of Flame Retardant Modified with Titanate for Asphalt Binder. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-8.	1.8	7
13	Effect of Sodium Hypochlorite-Activated Crumb Rubber on Rheological Properties of Rubber-Modified Asphalt. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	7
14	Microstructure of pretreated steel slag and its influence on mechanical properties of cement stabilized mixture. <i>Construction and Building Materials</i> , 2022, 317, 125799.	7.2	7
15	Effect of Material Composition on Cohesion Characteristics of Styrene-Butadiene-Styrene-Modified Asphalt Using Surface Free Energy. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-10.	1.8	3
16	Evaluation of Rheological and Anti-Aging Properties of TPU/Nano-TiO ₂ Composite-Modified Asphalt Binder. <i>Materials</i> , 2022, 15, 3000.	2.9	3
17	Relation Between Adhesion Properties and Microscopic Characterization of Polyphosphoric Acid Composite SBS Modified Asphalt Binder. <i>Frontiers in Materials</i> , 2021, 8, .	2.4	2
18	Rapid Identification and Quantitative Analysis of Polycarboxylate Superplasticizers Using ATR-FTIR Spectroscopy Combined with Chemometric Methods. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	1.1	1

#	ARTICLE	IF	CITATIONS
19	High-Temperature Rheology Characteristics of Hard Petroleum Asphalt Used in China. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-13.	1.8	1
20	Permeability model and characteristics analysis of porous asphalt mixture under the circulation clogging and cleaning. <i>Road Materials and Pavement Design</i> , 2023, 24, 1440-1460.	4.0	1