

Sen Han

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

661
citations

623188

14
h-index

642321

23
g-index

44
all docs

44
docs citations

44
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on cohesion performance of waterborne epoxy resin emulsified asphalt as interlayer materials. <i>Construction and Building Materials</i> , 2018, 177, 72-82.	3.2	78
2	Performance evaluation of waterborne epoxy resin modified hydrophobic emulsified asphalt micro-surfacing mixture. <i>Construction and Building Materials</i> , 2020, 249, 118835.	3.2	61
3	Performance evaluation of new waterborne epoxy resin modified emulsified asphalt micro-surfacing. <i>Construction and Building Materials</i> , 2019, 214, 93-100.	3.2	51
4	Study on improvement of asphalt adhesion by hydrated lime based on surface free energy method. <i>Construction and Building Materials</i> , 2019, 227, 116794.	3.2	32
5	Preparation and anti-icing properties of a hydrophobic emulsified asphalt coating. <i>Construction and Building Materials</i> , 2019, 220, 214-227.	3.2	32
6	New polyurethane modified coating for maintenance of asphalt pavement potholes in winter-rainy condition. <i>Progress in Organic Coatings</i> , 2019, 133, 368-375.	1.9	32
7	Development and Performance Evaluation of Cold-Patching Materials Using Waterborne Epoxy-Emulsified Asphalt Mixtures. <i>Materials</i> , 2020, 13, 1224.	1.3	22
8	Microcapsule and polymer reinforcement techniques developed asphalt for use of pothole repairs in winter and rainy seasons. <i>Cold Regions Science and Technology</i> , 2019, 167, 102865.	1.6	21
9	Prediction of asphalt mixture surface texture level and its distributions using mixture design parameters. <i>International Journal of Pavement Engineering</i> , 2019, 20, 557-565.	2.2	20
10	Testing for low-speed skid resistance of road pavements. <i>Road Materials and Pavement Design</i> , 2020, 21, 1312-1325.	2.0	20
11	Changes in rheological properties during asphalt aging. <i>Petroleum Science and Technology</i> , 2019, 37, 1539-1547.	0.7	17
12	Determination of morphology characteristics of polymer-modified asphalt by a quantification parameters approach. <i>Road Materials and Pavement Design</i> , 2019, 20, 1306-1321.	2.0	15
13	Experimental investigation surface abrasion resistance and surface frost resistance of concrete pavement incorporating fly ash and slag. <i>International Journal of Pavement Engineering</i> , 2021, 22, 1858-1866.	2.2	15
14	Laboratory Performance of Hot Mix Asphalt with High Reclaimed Asphalt Pavement (RAP) and Fine Reclaimed Asphalt Pavement (FRAP) Content. <i>Materials</i> , 2019, 12, 2536.	1.3	14
15	Comparison of SBS-Modified Asphalt Rheological Properties during Simple-Aging Test. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	14
16	Effect of diesel and microwave on the properties of crumb rubber and its modified binders. <i>Construction and Building Materials</i> , 2021, 271, 121580.	3.2	14
17	Performance changes of hot recycled asphalt mixture in different layers under coupling of multiple aging factors. <i>Construction and Building Materials</i> , 2021, 269, 121343.	3.2	13
18	Laboratory and field evaluation of noise characteristics of porous asphalt pavement. <i>International Journal of Pavement Engineering</i> , 2022, 23, 3357-3370.	2.2	13

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19	A new laboratory test method for tire-pavement noise. Measurement: Journal of the International Measurement Confederation, 2019, 145, 137-143.	2.5	12
20	Timely and Durable Polymer Modified Patching Materials for Pothole Repairs in Low Temperature and Wet Conditions. Applied Sciences (Switzerland), 2019, 9, 1949.	1.3	12
21	Performance evaluation of asphalt pavement groove-filled with polyurethane-rubber particle elastomer. Construction and Building Materials, 2021, 292, 123434.	3.2	12
22	Development and testing of a multivariable accelerated abrasion machine to characterize the polishing wear of pavement by tires. Surface Topography: Metrology and Properties, 2019, 7, 035006.	0.9	10
23	Laboratory investigation on low-temperature performance of asphalt at different aging stages. Construction and Building Materials, 2019, 229, 116850.	3.2	10
24	Measuring the tyre/pavement noise using laboratory tyre rolling-down method. International Journal of Pavement Engineering, 2020, 21, 1595-1605.	2.2	9
25	Fatigue performance evaluation of recycled asphalt fine aggregate matrix based on dynamic shear rheometer test. Construction and Building Materials, 2021, 300, 124025.	3.2	9
26	Optimization and performance evaluation of waterborne epoxy resin modified emulsified asphalt micro-surfacing based on tunnel driving environment. Construction and Building Materials, 2022, 315, 125604.	3.2	9
27	Method for the Evaluation of the Homogeneity of Asphalt Mixtures by 2-Dimensional Image Analysis. Materials, 2022, 15, 4265.	1.3	9
28	Long-term aging effect on rheological properties of combined binders from various polymers with ground tire rubber. Canadian Journal of Civil Engineering, 2016, 43, 451-460.	0.7	8
29	Investigation of the relative abrasion resistance of concrete pavement with chip-sprinkled surfaces. Wear, 2017, 382-383, 95-101.	1.5	8
30	Study on road performances of asphalt mixtures with granulated polymer anti-rutting additive. International Journal of Pavement Engineering, 2020, 21, 257-265.	2.2	8
31	Relationships between internal structure and surface texture of asphalt mixtures. Road Materials and Pavement Design, 2021, 22, 894-909.	2.0	8
32	Performance of Noise Reduction and Skid Resistance of Durable Granular Ultra-Thin Layer Asphalt Pavement. Materials, 2020, 13, 4260.	1.3	7
33	Experimental Study of Asphalt Mixture with Acetate Anti-Icing Filler. Arabian Journal for Science and Engineering, 2022, 47, 4225-4237.	1.7	7
34	Performance evaluation of a polyurethane-urea binder for asphalt pavement groove-filling. Construction and Building Materials, 2022, 315, 125734.	3.2	7
35	Diffusion and reinforcement mechanism study of the effect of styrene/butadiene ratio on the high-temperature property of asphalt using molecular dynamics simulation. Molecular Simulation, 2022, 48, 290-302.	0.9	7
36	Study on sliding layer of cross-tensioned concrete pavement. Road Materials and Pavement Design, 2015, 16, 518-535.	2.0	6

#	ARTICLE	IF	CITATIONS
37	Study on the effect of hydrated lime content and fineness on asphalt properties. Construction and Building Materials, 2020, 244, 118379.	3.2	6
38	Prediction of asphalt complex viscosity by artificial neural network based on Fourier transform infrared spectroscopy. Petroleum Science and Technology, 2019, 37, 1731-1737.	0.7	5
39	Aggregate Geometrical Features and Their Influence on the Surface Properties of Asphalt Pavement. Materials, 2022, 15, 3222.	1.3	3
40	Application of infrared spectroscopy and partial least-squares for modeling the correlation of bitumen dynamic shear rheological with temperature. Petroleum Science and Technology, 2018, 36, 1194-1200.	0.7	2
41	Evaluation of Micro-Mechanism and High- and Low-Temperature Rheological Properties of Disintegrated High Volume Crumb Rubber Asphalt (DHVRA). Materials, 2021, 14, 1145.	1.3	2