

Wengang Zhang

List of Publications by Year in descending order

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17
papers

300
citations

687363

13
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888059

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18
docs citations

18
times ranked

184
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the Storage Stability Property of Carbon Nanotube/Recycled Polyethylene-Modified Asphalt Using Molecular Dynamics Simulations. <i>Polymers</i> , 2021, 13, 1658.	4.5	31
2	Mechanistic study of graphene reinforcement of rheological performance of recycled polyethylene modified asphalt: A new observation from molecular dynamics simulation. <i>Construction and Building Materials</i> , 2022, 320, 126263.	7.2	30
3	Microwave Deicing Efficiency: Study on the Difference between Microwave Frequencies and Road Structure Materials. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2360.	2.5	29
4	The Effect of Direct-to-Plant Styrene-Butadiene-Styrene Block Copolymer Components on Bitumen Modification. <i>Polymers</i> , 2019, 11, 140.	4.5	29
5	Test method and material design of asphalt mixture with the function of photocatalytic decomposition of automobile exhaust. <i>Construction and Building Materials</i> , 2019, 215, 298-309.	7.2	21
6	Experimental Study on Nano-Parameters of Styrene-Butadiene-Styrene Block Copolymer Modified Bitumen Based on Atomic Force Microscopy. <i>Polymers</i> , 2019, 11, 989.	4.5	17
7	Effect and prediction of aromatic oil on swelling degree of direct-to-plant SBS modifier in bitumen. <i>Petroleum Science and Technology</i> , 2019, 37, 1033-1040.	1.5	17
8	Modification mechanism of C9 petroleum resin and its influence on SBS modified asphalt. <i>Construction and Building Materials</i> , 2021, 306, 124740.	7.2	17
9	Multiscale mechanisms of asphalt performance enhancement by crumbed waste tire rubber: insight from molecular dynamics simulation. <i>Journal of Molecular Modeling</i> , 2021, 27, 170.	1.8	16
10	Influence of High Viscosity Petroleum Resin (HV-PR) on the Intermediate and High Temperature Performances of Styrene-Butadiene-Styrene Block Copolymer (SBS) Modified Bitumen. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12521-12533.	3.0	15
11	Evaluation method of storage stability of SBS modified bitumen based on dynamic rheological properties. <i>Construction and Building Materials</i> , 2022, 323, 126615.	7.2	14
12	Design of SBS-Modified Bitumen Stabilizer Powder Based on the Vulcanization Mechanism. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 457.	2.5	13
13	The UV anti-aging performance of TPS modified bitumen. <i>Petroleum Science and Technology</i> , 2018, 36, 1164-1169.	1.5	13
14	Compatibility and high temperature performance of recycled polyethylene modified asphalt using molecular simulations. <i>Molecular Simulation</i> , 2021, 47, 1037-1049.	2.0	13
15	Study on the Relationship between Nano-Morphology Parameters and Properties of Bitumen during the Ageing Process. <i>Materials</i> , 2020, 13, 1472.	2.9	11
16	Effect of Thermo-Oxidative Ageing on Nano-Morphology of Bitumen. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3027.	2.5	9
17	Study on Prevention and Treatment Strategy of Asphalt Ultraviolet (UV) Aging Based on UV Climate Zoning in China. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6665.	2.5	4