

# Wengang Zhang

## List of Publications by Year in descending order

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17  
papers

300  
citations

687363

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h-index

888059

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18  
docs citations

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times ranked

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citing authors

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