

# Peng Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

610  
citations

759233

12  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

280  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical and rheological evaluation of aging properties of high content SBS polymer modified asphalt. <i>Fuel</i> , 2019, 252, 417-426.	6.4	146
2	Rheological, chemical and aging characteristics of high content polymer modified asphalt. <i>Construction and Building Materials</i> , 2019, 207, 616-629.	7.2	72
3	Evolution of components distribution and its effect on low temperature properties of terminal blend rubberized asphalt binder. <i>Construction and Building Materials</i> , 2017, 136, 598-608.	7.2	58
4	Chemical and rheological evaluation of aging characteristics of terminal blend rubberized asphalt binder. <i>Construction and Building Materials</i> , 2019, 205, 87-96.	7.2	40
5	Evaluating four typical fibers used for OGFC mixture modification regarding drainage, raveling, rutting and fatigue resistance. <i>Construction and Building Materials</i> , 2020, 253, 119131.	7.2	39
6	On the rejuvenator dosage optimization for aged SBS modified bitumen. <i>Construction and Building Materials</i> , 2021, 271, 121913.	7.2	37
7	Chemical characterizations and molecular dynamics simulations on different rejuvenators for aged bitumen recycling. <i>Fuel</i> , 2022, 324, 124550.	6.4	34
8	Evaluation of open-grade friction course (OGFC) mixtures with high content SBS polymer modified asphalt. <i>Construction and Building Materials</i> , 2021, 270, 121374.	7.2	24
9	Influence of ageing on high content polymer modified asphalt mixture stripping, cracking and rutting performances. <i>Road Materials and Pavement Design</i> , 2021, 22, 1824-1841.	4.0	18
10	Chemical, Physical, and Rheological Evaluation of Aging Behaviors of Terminal Blend Rubberized Asphalt Binder. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	17
11	Modeling the modulus of bitumen/SBS composite at different temperatures based on kinetic models. <i>Composites Science and Technology</i> , 2022, 218, 109146.	7.8	17
12	Toward the long-term aging influence and novel reaction kinetics models of bitumen. <i>International Journal of Pavement Engineering</i> , 2023, 24, .	4.4	13
13	Low-Temperature and Fatigue Characteristics of Degraded Crumb Rubber-Modified Bitumen Before and After Aging. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	12
14	Effect of Bio-oil on Rheology and Chemistry of Organosolv Lignin-Modified Bitumen. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	12
15	Investigating the asphalt binder/mastic bonding healing behavior using bitumen bonding strength test and X-ray Computed Tomography scan. <i>Construction and Building Materials</i> , 2020, 257, 119504.	7.2	11
16	Investigating binder aging during hot in-place recycling (HIR) of asphalt pavement. <i>Construction and Building Materials</i> , 2021, 276, 122188.	7.2	11
17	Influence of different high viscosity modifiers on the aging behaviors of SBSMA. <i>Construction and Building Materials</i> , 2020, 253, 119214.	7.2	10
18	Investigation on the durability of OGFC-5 ultra-thin friction course with different mixes. <i>Construction and Building Materials</i> , 2021, 288, 123049.	7.2	10

#	ARTICLE	IF	CITATIONS
19	Investigating the field short-term aging of high content polymer-modified asphalt. International Journal of Pavement Engineering, 2021, 22, 1263-1272.	4.4	8
20	Development and Piezoelectric Properties of a Stack Units-Based Piezoelectric Device for Roadway Application. Sensors, 2021, 21, 7708.	3.8	7
21	Evaluation of photocatalytic micro-surfacing mixture: road performance, vehicle exhaust gas degradation capacity and environmental impacts. Construction and Building Materials, 2022, 345, 128367.	7.2	7
22	Aging Characteristics of Rubber Modified Bitumen Mixed with Sulfur after Terminal Blend Process. Sustainability, 2022, 14, 2612.	3.2	3
23	Microstructure Evolution of Saturated Clay Under Cyclic Shearing. Journal of Testing and Evaluation, 2021, 49, 1362-1369.	0.7	2
24	Effect of High Content of Waste Tire Rubber and Sulfur on the Aging Behavior of Bitumen. Applied Sciences (Switzerland), 2022, 12, 5417.	2.5	1
25	Evaluation of the Aging Properties of Terminal Blend Hybrid Asphalt Based on Chemical and Rheological Methods. Sustainability, 2022, 14, 7865.	3.2	1