

Qian Chen

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

540
citations

623188

14
h-index

642321

23
g-index

31
all docs

31
docs citations

31
times ranked

172
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental effects and enhancement mechanism of graphene/tourmaline composites. Journal of Cleaner Production, 2020, 262, 121313.	4.6	73
2	Comprehensive performance evaluation of low-carbon modified asphalt based on efficacy coefficient method. Journal of Cleaner Production, 2018, 203, 633-644.	4.6	60
3	Graphene/tourmaline composites as a filler of hot mix asphalt mixture: Preparation and properties. Construction and Building Materials, 2020, 239, 117859.	3.2	48
4	Basic performance and asphalt smoke absorption effect of environment-friendly asphalt to improve pavement construction environment. Journal of Cleaner Production, 2022, 333, 130142.	4.6	42
5	Durability evaluation of road cooling coating. Construction and Building Materials, 2018, 190, 13-23.	3.2	39
6	Performance evaluation of tourmaline modified asphalt mixture based on grey target decision method. Construction and Building Materials, 2019, 205, 137-147.	3.2	34
7	Effect of raw material composition on the working performance of waterborne epoxy resin for road. International Journal of Pavement Engineering, 2022, 23, 2380-2391.	2.2	33
8	Modified Waterborne Epoxy as a Cold Pavement Binder: Preparation and Long-Term Working Properties. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	30
9	Investigation of enhancing effect and mechanism of basalt fiber on toughness of asphalt material. Petroleum Science and Technology, 2018, 36, 1710-1717.	0.7	26
10	Heat conduction effect of steel bridge deck with conductive gussasphalt concrete pavement. Construction and Building Materials, 2018, 172, 422-432.	3.2	18
11	Evaluation and prediction for effect of conductive gussasphalt mixture on corrosion of steel bridge deck. Construction and Building Materials, 2019, 228, 116837.	3.2	16
12	Preparation and improved negative ion release of graphene/tourmaline composite. Materials Research Express, 2019, 6, 055507.	0.8	16
13	Rheological properties of graphene/tourmaline composite modified asphalt. Petroleum Science and Technology, 2019, 37, 2190-2198.	0.7	15
14	Design Optimization and Performance Evaluation of the Open-Graded Friction Course with Small Particle Size Aggregate. Advances in Civil Engineering, 2021, 2021, 1-11.	0.4	15
15	High-performance organosilicon refractory bauxite: Coating and fundamental properties. Construction and Building Materials, 2019, 207, 563-571.	3.2	12
16	Preparation and Performance of Road Micro-surfacing Materials with Exhaust Purification Function. KSCE Journal of Civil Engineering, 2019, 23, 2877-2888.	0.9	9
17	Road Performance and Emission Reduction Effect of Graphene/Tourmaline-Composite-Modified Asphalt. Sustainability, 2021, 13, 8932.	1.6	8
18	Preparation and adsorption properties of nano-graphene oxide/tourmaline composites. Nanotechnology Reviews, 2021, 10, 1812-1826.	2.6	8

#	ARTICLE	IF	CITATIONS
19	A Quantitative Rating System for Pollutant Emission Reduction of Asphalt Mixture. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-15.	0.6	7
20	Durability evaluation of mechanical and bonding properties of polyurethane-modified waterborne epoxy resin for road. <i>International Journal of Pavement Engineering</i> , 2023, 24, .	2.2	5
21	Road Performance Comprehensive Evaluation of Polymer Modified Emulsified Asphalt Fiber Microsurfacing. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-11.	1.0	5
22	Effect Investigation of Ultraviolet Ageing on the Rheological Properties, Micro-Structure, and Chemical Composition of Asphalt Binder Modified by Modifying Polymer. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-19.	1.0	5
23	Rheological properties and viscosity reduction mechanism of SBS warm-mix modified asphalt. <i>Petroleum Science and Technology</i> , 2020, 38, 556-564.	0.7	4
24	Effects of UV Aging on Physical Properties and Physicochemical Properties of ASA Polymer-Modified Asphalt. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-12.	1.0	4
25	Prediction of Low-Temperature Rheological Properties of SBS Modified Asphalt. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-8.	0.4	3
26	Overview: Application of Resin Waterproof Adhesive Materials in Bridge Deck Pavement in China. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-15.	0.4	3
27	Study on Aerodynamic Nonlinear Characteristics of Semiclosed Box Deck Based on Variation of Motion Parameters. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-15.	0.4	1
28	Classification of Performance Grades of High Modulus Asphalt and Its Mixture: Taking China as an Example. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-13.	1.0	1
29	Road performance of tourmaline/rubber powder modified asphalt mixture. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 304, 052129.	0.2	0
30	Dynamic Modulus Prediction of a High-Modulus Asphalt Mixture. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-10.	0.4	0
31	Road Performance and Ice-Melting Characteristics of Steel Wool Asphalt Mixture. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-13.	0.4	0