

Yongchun Cheng

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

920
citations

471477

17
h-index

454934

30
g-index

31
all docs

31
docs citations

31
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory evaluation on performance of diatomite and glass fiber compound modified asphalt mixture. <i>Materials & Design</i> , 2015, 66, 51-59.	5.1	146
2	Influence of the properties of filler on high and medium temperature performances of asphalt mastic. <i>Construction and Building Materials</i> , 2016, 118, 268-275.	7.2	102
3	Design Optimization of SBS-Modified Asphalt Mixture Reinforced with Eco-Friendly Basalt Fiber Based on Response Surface Methodology. <i>Materials</i> , 2018, 11, 1311.	2.9	80
4	Further Investigation on Damage Model of Eco-Friendly Basalt Fiber Modified Asphalt Mixture under Freeze-Thaw Cycles. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 60.	2.5	49
5	Laboratory Evaluation on Performance of Eco-Friendly Basalt Fiber and Diatomite Compound Modified Asphalt Mixture. <i>Materials</i> , 2018, 11, 2400.	2.9	48
6	Comparative Study on the Damage Characteristics of Asphalt Mixtures Reinforced with an Eco-Friendly Basalt Fiber under Freeze-thaw Cycles. <i>Materials</i> , 2018, 11, 2488.	2.9	43
7	Laboratory investigation on high- and low-temperature performances of asphalt mastics modified by waste oil shale ash. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1710-1723.	3.0	34
8	Multi-Objective Optimization Design and Test of Compound Diatomite and Basalt Fiber Asphalt Mixture. <i>Materials</i> , 2019, 12, 1461.	2.9	33
9	Influence of Diatomite and Mineral Powder on Thermal Oxidative Ageing Properties of Asphalt. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-10.	1.8	31
10	Low-Temperature Performance and Damage Constitutive Model of Eco-Friendly Basalt Fiberâ€“Diatomite-Modified Asphalt Mixture under Freezeâ€“Thaw Cycles. <i>Materials</i> , 2018, 11, 2148.	2.9	30
11	Performance Evaluation of Styrene-Butadiene-Styrene-Modified Stone Mastic Asphalt with Basalt Fiber Using Different Compaction Methods. <i>Polymers</i> , 2019, 11, 1006.	4.5	29
12	Study on the Performances of Waste Crumb Rubber Modified Asphalt Mixture with Eco-Friendly Diatomite and Basalt Fiber. <i>Sustainability</i> , 2019, 11, 5282.	3.2	27
13	Master Curve Establishment and Complex Modulus Evaluation of SBS-Modified Asphalt Mixture Reinforced with Basalt Fiber Based on Generalized Sigmoidal Model. <i>Polymers</i> , 2020, 12, 1586.	4.5	25
14	Laboratory Study on Properties of Diatomite and Basalt Fiber Compound Modified Asphalt Mastic. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-10.	1.8	22
15	Assessing High- and Low-Temperature Properties of Asphalt Pavements Incorporating Waste Oil Shale as an Alternative Material in Jilin Province, China. <i>Sustainability</i> , 2018, 10, 2179.	3.2	22
16	Mechanical Performance of Warm-Mixed Porous Asphalt Mixture with Steel Slag and Crumb-Rubberâ€“SBS Modified Bitumen for Seasonal Frozen Regions. <i>Materials</i> , 2019, 12, 857.	2.9	21
17	Study on Viscoelastic Properties of Asphalt Mixtures Incorporating SBS Polymer and Basalt Fiber under Freezeâ€“Thaw Cycles. <i>Polymers</i> , 2020, 12, 1804.	4.5	21
18	Reuse of Boron Waste as an Additive in Road Base Material. <i>Materials</i> , 2016, 9, 416.	2.9	18

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19	Analysis of Aggregate Morphological Characteristics for Viscoelastic Properties of Asphalt Mixes Using Simplex Lattice Design. <i>Materials</i> , 2018, 11, 1908.	2.9	17
20	Viscoelastic Properties of Asphalt Mixtures with Different Modifiers at Different Temperatures Based on Static Creep Tests. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4246.	2.5	17
21	Establishment of Complex Modulus Master Curves Based on Generalized Sigmoidal Model for Freeze-Thaw Resistance Evaluation of Basalt Fiber-Modified Asphalt Mixtures. <i>Polymers</i> , 2020, 12, 1698.	4.5	17
22	A New Eco-Friendly Porous Asphalt Mixture Modified by Crumb Rubber and Basalt Fiber. <i>Sustainability</i> , 2019, 11, 5754.	3.2	15
23	Quantitative Analysis of Effect and Interaction of Diatomite and Basalt Fiber on Asphalt Performance. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	14
24	Influence Analysis and Optimization for Aggregate Morphological Characteristics on High- and Low-Temperature Viscoelasticity of Asphalt Mixtures. <i>Materials</i> , 2018, 11, 2034.	2.9	12
25	Pavement performance evaluation of asphalt mixtures containing oil shale waste. <i>Road Materials and Pavement Design</i> , 2020, 21, 179-200.	4.0	12
26	Laboratory Evaluation on the Performance Degradation of Styrene-Butadiene-Styrene-Modified Asphalt Mixture Reinforced with Basalt Fiber under Freeze-Thaw Cycles. <i>Polymers</i> , 2020, 12, 1092.	4.5	12
27	Effects of Diatomite-Limestone Powder Ratio on Mechanical and Anti-Deformation Properties of Sustainable Sand Asphalt Composite. <i>Sustainability</i> , 2018, 10, 808.	3.2	9
28	Comparative Analysis of Viscoelastic Properties of Open Graded Friction Course under Dynamic and Static Loads. <i>Polymers</i> , 2021, 13, 1250.	4.5	7
29	Free Vibration Analysis of a Uniform Continuous Beam with an Arbitrary Number of Cracks and Spring-Mass Systems. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 4619-4634.	3.0	4
30	Laboratory Study and Simulation Analysis on Anticrack Properties of Open-Graded Friction Course Based on Creep Tests. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	2
31	Effect of Diatomite and Basalt Fibers on Pavement Performance and Vibration Attenuation of Waste Tires Rubber-Modified Asphalt Mixtures. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-13.	1.1	1