Yongchun Cheng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7107077/publications.pdf

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31	920	471509 17	454955 30
papers	citations	h-index	g-index

31	31	31	541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laboratory evaluation on performance of diatomite and glass fiber compound modified asphalt mixture. Materials & Design, 2015, 66, 51-59.	5.1	146
2	Influence of the properties of filler on high and medium temperature performances of asphalt mastic. Construction and Building Materials, 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. Materials, 2018, 11, 1311.	2.9	80
4	Further Investigation on Damage Model of Eco-Friendly Basalt Fiber Modified Asphalt Mixture under Freeze-Thaw Cycles. Applied Sciences (Switzerland), 2019, 9, 60.	2.5	49
5	Laboratory Evaluation on Performance of Eco-Friendly Basalt Fiber and Diatomite Compound Modified Asphalt Mixture. Materials, 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. Materials, 2018, 11, 2488.	2.9	43
7	Laboratory investigation on high- and low-temperature performances of asphalt mastics modified by waste oil shale ash. Journal of Material Cycles and Waste Management, 2018, 20, 1710-1723.	3.0	34
8	Multi-Objective Optimization Design and Test of Compound Diatomite and Basalt Fiber Asphalt Mixture. Materials, 2019, 12, 1461.	2.9	33
9	Influence of Diatomite and Mineral Powder on Thermal Oxidative Ageing Properties of Asphalt. Advances in Materials Science and Engineering, 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. Materials, 2018, 11, 2148.	2.9	30
11	Performance Evaluation of Styrene-Butadiene-Styrene-Modified Stone Mastic Asphalt with Basalt Fiber Using Different Compaction Methods. Polymers, 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. Sustainability, 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. Polymers, 2020, 12, 1586.	4.5	25
14	Laboratory Study on Properties of Diatomite and Basalt Fiber Compound Modified Asphalt Mastic. Advances in Materials Science and Engineering, 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. Sustainability, 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. Materials, 2019, 12, 857.	2.9	21
17	Study on Viscoelastic Properties of Asphalt Mixtures Incorporating SBS Polymer and Basalt Fiber under Freezeâ€“Thaw Cycles. Polymers, 2020, 12, 1804.	4.5	21
18	Reuse of Boron Waste as an Additive in Road Base Material. Materials, 2016, 9, 416.	2.9	18

#	Article	IF	Citations
19	Analysis of Aggregate Morphological Characteristics for Viscoelastic Properties of Asphalt Mixes Using Simplex Lattice Design. Materials, 2018, 11, 1908.	2.9	17
20	Viscoelastic Properties of Asphalt Mixtures with Different Modifiers at Different Temperatures Based on Static Creep Tests. Applied Sciences (Switzerland), 2019, 9, 4246.	2.5	17
21	Establishment of Complex Modulus Master Curves Based on Generalized Sigmoidal Model for Freezeâ€“Thaw Resistance Evaluation of Basalt Fiber-Modified Asphalt Mixtures. Polymers, 2020, 12, 1698.	4.5	17
22	A New Eco-Friendly Porous Asphalt Mixture Modified by Crumb Rubber and Basalt Fiber. Sustainability, 2019, 11, 5754.	3.2	15
23	Quantitative Analysis of Effect and Interaction of Diatomite and Basalt Fiber on Asphalt Performance. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	14
24	Influence Analysis and Optimization for Aggregate Morphological Characteristics on High- and Low-Temperature Viscoelasticity of Asphalt Mixtures. Materials, 2018, 11, 2034.	2.9	12
25	Pavement performance evaluation of asphalt mixtures containing oil shale waste. Road Materials and Pavement Design, 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 Freezeâ€“Thaw Cycles. Polymers, 2020, 12, 1092.	4.5	12
27	Effects of Diatomiteâ€“Limestone Powder Ratio on Mechanical and Anti-Deformation Properties of Sustainable Sand Asphalt Composite. Sustainability, 2018, 10, 808.	3.2	9
28	Comparative Analysis of Viscoelastic Properties of Open Graded Friction Course under Dynamic and Static Loads. Polymers, 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. Arabian Journal for Science and Engineering, 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. Journal of Materials in Civil Engineering, 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. Mathematical Problems in Engineering, 2020, 2020, 1-13.	1.1	1