Zhanping You

List of Publications by Year
in descending order

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473 papers	17,283 citations	15880 67 h-index	36203 101 g-index
483 all docs	483 docs citations	483 times ranked	5346 citing authors

#	Article	IF	Citations
1	Influence of alternative rice husk ash filler on bitumen emulsion-based recycled asphalt. Road Materials and Pavement Design, 2023, 24, 1507-1521.	2.0	0
2	Role of mineral filler in asphalt mixture. Road Materials and Pavement Design, 2022, 23, 247-286.	2.0	56
3	Laboratory performance of asphalt mixture with waste tyre rubber and APAO modified asphalt binder. International Journal of Pavement Engineering, 2022, 23, 59-69.	2.2	15
4	Discrete Element Simulation of the Internal Structures of Asphalt Mixtures with High Content of Tire Rubber. Lecture Notes in Civil Engineering, 2022, , 425-439.	0.3	0
5	High, intermediate and low temperature performance appraisal of elastomeric and plastomeric asphalt binders and mixes. Journal of Elastomers and Plastics, 2022, 54, 225-246.	0.7	7
6	Influence of silane-hydrolysate coupling agents on bitumenâ€“aggregate interfacial adhesion: An exploration from molecular dynamics simulation. International Journal of Adhesion and Adhesives, 2022, 112, 102993.	1.4	17
7	Laboratory Performance and Field Case Study of Asphalt Mixture with Sasobit Treated Aramid Fiber as Modifier. Transportation Research Record, 2022, 2676, 811-824.	1.0	11
8	Low-density polyethylene/ethyleneâ€“vinyl acetate compound modified asphalt: Optimal preparation process and high-temperature rheological properties. Construction and Building Materials, 2022, 314, 125688.	3.2	14
9	Influences of different modification methods on surface activation of waste tire rubber powder applied in cement-based materials. Construction and Building Materials, 2022, 314, 125191.	3.2	11
10	Discussion on molecular dynamics (MD) simulations of the asphalt materials. Advances in Colloid and Interface Science, 2022, 299, 102565.	7.0	63
11	Mechanical behaviors of asphalt mixtures modified with European rock bitumen and waste cooking oil. Construction and Building Materials, 2022, 319, 125909.	3.2	22
12	Virtual design of asphalt mixtures using a growth and contact model based on realistic aggregates. Construction and Building Materials, 2022, 320, 126322.	3.2	3
13	Viscoelastic Properties, Rutting Resistance, and Fatigue Resistance of Waste Wood-Based Biochar-Modified Asphalt. Coatings, 2022, 12, 89.	1.2	8
14	Review on Applications of Lignin in Pavement Engineering: A Recent Survey. Frontiers in Materials, 2022, 8, .	1.2	22
15	Research on the anti-aging mechanism of SBS-modified asphalt compounded with multidimensional nanomaterials based on atomic force microscopy. Construction and Building Materials, 2022, 317, 125808.	3.2	19
16	The effect of styrene-butadiene rubber modification on the properties of asphalt binders: Aging and restoring. Construction and Building Materials, 2022, 316, 126034.	3.2	9
17	Asphalt Mixture with Scrap Tire Rubber and Nylon Fiber from Waste Tires: Laboratory Performance and Preliminary M-E Design Analysis. Buildings, 2022, 12, 160.	1.4	18
18	Characteristics of mineral fillers and their effects on mastic fracture resistance at intermediate temperature 20 â„ƒ. Construction and Building Materials, 2022, 323, 126568.	3.2	5

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19	Chemical characteristics analyze of SBS-modified bitumen containing composite nanomaterials after aging by FTIR and GPC. Construction and Building Materials, 2022, 324, 126522.	3.2	10
20	The Performance Evaluation of Asphalt Mortar and Asphalt Mixture Containing Municipal Solid Waste Incineration Fly Ash. Materials, 2022, 15, 1387.	1.3	11
21	Temperature dependency of VOCs release characteristics of asphalt materials under varying test conditions. Journal of Traffic and Transportation Engineering (English Edition), 2022, 9, 280-292.	2.0	9
22	Atomistic-scale investigation of self-healing mechanism in Nano-silica modified asphalt through molecular dynamics simulation. Journal of Infrastructure Preservation and Resilience, 2022, 3, .	1.5	16
23	Experimental assessments of methanol-based foaming agent in latex modified foamed binders and warm asphalt mixtures. , 2022, 2, 84-97.		3
24	Highway constructions on the Qinghai-Tibet Plateau: Challenge, research and practice. , 2022, 2, 1-60.		25
25	Evaluation of test methods for fracture resistance of high modulus asphalt binders from rheological and mechanical perspectives. Construction and Building Materials, 2022, 329, 127216.	3.2	4
26	Moisture, Rutting, and Fatigue-Cracking Susceptibility of Water-Carrying, Wax-Based, and Chemical-Based Warm Mix Asphalt Systems. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	2
27	Preparation process and performance of thermoplastic polyurethane/amorphous poly alpha olefin compound modified bitumen. Journal of Cleaner Production, 2022, 352, 131562.	4.6	15
28	Literature Review on the Discrete Element Method in Asphalt Mixtures. Frontiers in Materials, 2022, 9, .	1.2	7
29	Influence of sea salt on the interfacial adhesion of bitumenâ€“aggregate systems by molecular dynamics simulation. Construction and Building Materials, 2022, 336, 127471.	3.2	35
30	Optimal design of fresh sand fog seal mortar using response surface methodology (RSM): Towards to its workability and rheological properties. Construction and Building Materials, 2022, 340, 127638.	3.2	11
31	Evaluation of lab performance of stamp sand and acrylonitrile styrene acrylate waste composites without asphalt as road surface materials. Construction and Building Materials, 2022, 338, 127569.	3.2	22
32	New Methodology to Characterize the Workability of Asphaltic Concrete Mixtures Based on Kinematic Compaction Energy. Sustainability, 2022, 14, 6550.	1.6	0
33	Effect of Freezeâ€“Thaw cycles on the pavement performance of SBS modified and composite crumb rubber modified asphalt mixtures. Construction and Building Materials, 2022, 342, 127799.	3.2	13
34	A Detection Method for Pavement Cracks Combining Object Detection and Attention Mechanism. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22179-22189.	4.7	19
35	Anti-Skid Characteristics of Asphalt Pavement Based on Partial Tire Aquaplane Conditions. Materials, 2022, 15, 4976.	1.3	4
36	Study on pre-compaction of pavement graded gravels via imaging technologies, artificial intelligent and numerical simulations. Construction and Building Materials, 2022, 345, 128380.	3.2	2

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37	Preparation and anti-icing performance of acrylic superhydrophobic asphalt pavement coating with microwave heating function. Construction and Building Materials, 2022, 344, 128289.	3.2	16
38	Laboratory shear bond test for chip-seal under varying environmental and material conditions. International Journal of Pavement Engineering, 2021, 22, 1107-1115.	2.2	13
39	Characteristics of cement-stabilized macadam containing surface-treated recycled aggregates. Road Materials and Pavement Design, 2021, 22, 2029-2043.	2.0	17
40	Investigation on the morphological and mineralogical properties of coarse aggregates under VSI crushing operation. International Journal of Pavement Engineering, 2021, 22, 1611-1624.	2.2	21
41	Short- and long-term properties of glass fiber reinforced asphalt mixtures. International Journal of Pavement Engineering, 2021, 22, 64-76.	2.2	35
42	Influence of ethylene-vinyl acetate on the performance improvements of low-density polyethylene-modified bitumen. Journal of Cleaner Production, 2021, 278, 123865.	4.6	25
43	Standardization to evaluate the lasting capacity of rubberized asphalt mixtures with different testing approaches. Construction and Building Materials, 2021, 269, 121341.	3.2	29
44	Unified characterizing fatigue performance of rubberized asphalt mixtures subjected to different loading modes. Journal of Cleaner Production, 2021, 279, 123740.	4.6	38
45	3-D virtual design and microstructural modeling of asphalt mixture based on a digital aggregate library. Computers and Structures, 2021, 242, 106378.	2.4	20
46	Leaching evaluation and performance assessments of asphalt mixtures with recycled cathode ray tube glass: A preliminary study. Journal of Cleaner Production, 2021, 279, 123716.	4.6	24
47	Effect of long-term aging on waste tire rubber and amorphous poly alpha olefin compound modified asphalt binder and its mixtures. Construction and Building Materials, 2021, 272, 121667.	3.2	20
48	Three-Dimensional Characterization and Evaluation of Aggregate Skeleton of Asphalt Mixture Based on Force-Chain Analysis. Journal of Engineering Mechanics - ASCE, 2021, 147, .	1.6	27
49	Workability, compactibility and engineering properties of rubber-modified asphalt mixtures prepared via wet process. International Journal of Pavement Research and Technology, 2021, 14, 560-569.	1.3	9
50	Physical, chemical and morphology characterisation of nano ceramic powder as bitumen modification. International Journal of Pavement Engineering, 2021, 22, 858-871.	2.2	15
51	Strength and fatigue performance for cement-treated aggregate base materials. International Journal of Pavement Engineering, 2021, 22, 690-699.	2.2	39
52	A numerical study on rutting behaviour of direct coal liquefaction residue modified asphalt mixture. Road Materials and Pavement Design, 2021, 22, 1454-1468.	2.0	7
53	Influence of air void structures on the coefficient of permeability of asphalt mixtures. Powder Technology, 2021, 377, 1-9.	2.1	21
54	Revealing compatibility mechanism of nanosilica in asphalt through molecular dynamics simulation. Journal of Molecular Modeling, 2021, 27, 81.	0.8	38

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55	Effect of Water Absorption and Loss Characteristics of Fine Aggregates on Aggregate-Asphalt Adhesion. KSCE Journal of Civil Engineering, 2021, 25, 2020-2035.	0.9	5
56	Characterization and evaluation of morphological features for aggregate in asphalt mixture: A review. Construction and Building Materials, 2021, 273, 121989.	3.2	26
57	Recycling fish scale powder in improving the performance of asphalt: A sustainable utilization of fish scale waste in asphalt. Journal of Cleaner Production, 2021, 288, 125682.	4.6	39
58	Relationship between Air Voids and Permeability: Effect on Water Scouring Resistance in HMA. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	10
59	Cold In-Place Recycling Asphalt Mixtures: Laboratory Performance and Preliminary M-E Design Analysis. Materials, 2021, 14, 2036.	1.3	17
60	Effect of Coarse Aggregate Characteristics on Skid Resistance Deterioration of the Ultrathin Wearing Course. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	7
61	Behavioural interface-bonding and chemical characterization of silane and wax based additives on latex modified asphalt binders. International Journal of Adhesion and Adhesives, 2021, 106, 102822.	1.4	6
62	Effect of crumb rubber size on the performance of rubberized asphalt with bio-oil pretreatment. Construction and Building Materials, 2021, 285, 122864.	3.2	25
63	Morphological simplification of asphaltic mixture components for micromechanical simulation using finite element method. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1435-1452.	6.3	14
64	A New Method for Compaction Quality Evaluation of Asphalt Mixtures with the Intelligent Aggregate (IA). Materials, 2021, 14, 2422.	1.3	4
65	Towards an understanding of diffusion mechanism of bio-rejuvenators in aged asphalt binder through molecular dynamics simulation. Journal of Cleaner Production, 2021, 299, 126927.	4.6	80
66	Influence of Different Fillers on Mechanical Properties of Porous Asphalt Mixtures Using Microstructural Finite-Element Analysis. Journal of Transportation Engineering Part B: Pavements, 2021, 147, 04021004.	0.8	6
67	Stability prediction for asphalt mixture based on evolutional characterization of aggregate skeleton. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 1453-1466.	6.3	29
68	Mechanical performance of asphalt rejuvenated with various vegetable oils. Construction and Building Materials, 2021, 293, 123485.	3.2	34
69	Influence on Polyurethane Synthesis Parameters Upon the Performance of Base Asphalt. Frontiers in Materials, 2021, 8, .	1.2	10
70	Surface-treated fish scale powder with silane coupling agent in asphalt for performance improvement: Conventional properties, rheology, and morphology. Journal of Cleaner Production, 2021, 311, 127772.	4.6	11
71	Effects of Sodium Sulfate Attack on Concrete Incorporated with Drying-Wetting Cycles. Advances in Civil Engineering, 2021, 2021, 1-12.	0.4	2
72	Application of Epoxy-Asphalt Composite in Asphalt Paving Industry: A Review with Emphasis on Physicochemical Properties and Pavement Performances. Advances in Materials Science and Engineering, 2021, 2021, 1-35.	1.0	17

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73	A Review of Characteristics of Bio-Oils and Their Utilization as Additives of Asphalts. Molecules, 2021, 26, 5049.	1.7	12
74	Evaluation of waste cooling oil and European Rock Asphalt modified asphalt with laboratory tests and economic cost comparison. Journal of Cleaner Production, 2021, 310, 127364.	4.6	21
75	A review on compatibility between crumb rubber and asphalt binder. Construction and Building Materials, 2021, 297, 123820.	3.2	70
76	Influence of concentration and packing of filler particles on the stiffening effect and shearing behaviour of asphalt mastic. Construction and Building Materials, 2021, 295, 123660.	3.2	15
77	Effect of physical hardening on low temperature performance of DCLR modified asphalt. Construction and Building Materials, 2021, 295, 123545.	3.2	9
78	Establishment and extension of digital aggregate database using auxiliary classifier Wasserstein GAN with gradient penalty. Construction and Building Materials, 2021, 300, 124217.	3.2	5
79	Waste cathode-ray-tube glass powder modified asphalt materials: Preparation and characterization. Journal of Cleaner Production, 2021, 314, 127949.	4.6	28
80	Concave distribution characterization of asphalt pavement surface segregation using smartphone and image processing based techniques. Construction and Building Materials, 2021, 301, 124111.	3.2	11
81	Preliminary study of modified asphalt binders with thermoplastics: The Rheology properties and interfacial adhesion between thermoplastics and asphalt binder. Construction and Building Materials, 2021, 301, 124373.	3.2	13
82	Automated pixel-level pavement distress detection based on stereo vision and deep learning. Automation in Construction, 2021, 129, 103788.	4.8	78
83	Rheological behavior of high modulus asphalt binder and its indication for fracture performances. Construction and Building Materials, 2021, 306, 124835.	3.2	5
84	Review on the fatigue properties of recycled asphalt concrete containing construction and demolition wastes. Journal of Cleaner Production, 2021, 327, 129478.	4.6	14
85	Mechanism and rheological characterization of MDI modified Wood-Based Bio-Oil asphalt. Construction and Building Materials, 2021, 309, 125113.	3.2	14
86	Improved Analytical Model and Algorithm for Computing Expansive Soilâ€“Induced Stresses in Pavements. International Journal of Geomechanics, 2021, 21, .	1.3	3
87	New innovations in pavement materials and engineering: A review on pavement engineering research 2021. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 815-999.	2.0	59
88	Viscosity Property of Methylene Diphenyl Diisocyanate Modified Asphalt Based on Molecular Dynamics Simulation. , 2021, , .		2
89	A Review of Asphaltic Crack Healing Approaches and Its Mechanism. Advances in Materials Science and Engineering, 2021, 2021, 1-15.	1.0	3
90	Bio-Asphalt Diffusion Properties Based on Molecular Dynamics Simulation. , 2021, , .		0

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91	Engineering and microscopic characteristics of natural rubber latex modified binders incorporating silane additive. International Journal of Pavement Engineering, 2020, 21, 1874-1883.	2.2	16
92	Open-graded asphalt concrete grouted by latex modified cement mortar. Road Materials and Pavement Design, 2020, 21, 61-77.	2.0	38
93	A Review on Utilization of Electronic Waste Plastics for Use Within Asphaltic Concrete Materials: Development, Opportunities and Challenges for Successful Implementation. , 2020, , 737-749.		2
94	Laboratory investigation of fatigue parameters characteristics of aging asphalt mixtures: A dissipated energy approach. Construction and Building Materials, 2020, 230, 116972.	3.2	25
95	High-temperature rheological behavior and fatigue performance of lignin modified asphalt binder. Construction and Building Materials, 2020, 230, 117063.	3.2	107
96	Crack resistance of waste cooking oil modified cement stabilized macadam. Journal of Cleaner Production, 2020, 243, 118525.	4.6	17
97	Assessment and mechanism analysis of municipal solid waste incineration bottom ash as aggregate in cement stabilized macadam. Journal of Cleaner Production, 2020, 244, 118750.	4.6	45
98	Rheological properties and micro-characteristics of polyurethane composite modified asphalt. Construction and Building Materials, 2020, 234, 117395.	3.2	63
99	Performance assessments of open-graded cement stabilized macadam containing recycled aggregate. Construction and Building Materials, 2020, 233, 117326.	3.2	21
100	Impacts of recycled crumb rubber powder and natural rubber latex on the modified asphalt rheological behaviour, bonding, and resistance to shear. Construction and Building Materials, 2020, 234, 117357.	3.2	72
101	Performance and optimization of castor beans-based bio-asphalt and European rock-asphalt modified asphalt binder. Construction and Building Materials, 2020, 240, 117951.	3.2	29
102	Prediction of the coefficient of permeability of asphalt mixtures using the lattice Boltzmann method. Construction and Building Materials, 2020, 240, 117896.	3.2	18
103	Use of tung oil as a rejuvenating agent in aged asphalt: Laboratory evaluations. Construction and Building Materials, 2020, 239, 117783.	3.2	47
104	Rheological models for non-newtonian viscosity of modified asphalt binders and mastics. Egyptian Journal of Petroleum, 2020, 29, 105-112.	1.2	7
105	High modulus asphalt concrete: A state-of-the-art review. Construction and Building Materials, 2020, 237, 117653.	3.2	38
106	Investigation of anti-icing, anti-skid, and water impermeability performances of an acrylic superhydrophobic coating on asphalt pavement. Construction and Building Materials, 2020, 264, 120702.	3.2	31
107	Investigation of hot mixture asphalt with high ground tire rubber content. Journal of Cleaner Production, 2020, 277, 124037.	4.6	23
108	Investigating the mechanisms of rubber, styrene-butadiene-styrene and ethylene-vinyl acetate in asphalt binder based on rheological and distress-related tests. Construction and Building Materials, 2020, 262, 120744.	3.2	17

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109	Modification Mechanism of Using Waste Woodâ€“Based Bio-Oil to Modify Petroleum Asphalt. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	18
110	Review on evolution and evaluation of asphalt pavement structures and materials. Journal of Traffic and Transportation Engineering (English Edition), 2020, 7, 573-599.	2.0	38
111	Achievements and Prospects of Advanced Pavement Materials Technologies. Applied Sciences (Switzerland), 2020, 10, 7743.	1.3	0
112	Achievements and Prospects of Functional Pavement: Materials and Structures. Applied Sciences (Switzerland), 2020, 10, 7720.	1.3	2
113	Unified approach to characterize the strength of cement stabilized macadam subjected to different loading modes. Construction and Building Materials, 2020, 265, 120143.	3.2	7
114	Application of phase change material in asphalt mixture â€“ A review. Construction and Building Materials, 2020, 263, 120219.	3.2	53
115	Experimental and molecular dynamics simulation study on thermal, transport, and rheological properties of asphalt. Construction and Building Materials, 2020, 265, 120358.	3.2	48
116	Effects of surface texture and its mineral composition on interfacial behavior between asphalt binder and coarse aggregate. Construction and Building Materials, 2020, 262, 120869.	3.2	34
117	Performance Evaluations of Pavement Underlying Chip-Seal: Laboratory Testing on Pavement Cores. , 2020, , .		0
118	Design and Performance of Polyurethane Elastomers Composed with Different Soft Segments. Materials, 2020, 13, 4991.	1.3	27
119	Laboratory Evaluation of the Residue of Rubber-Modified Emulsified Asphalt. Sustainability, 2020, 12, 8383.	1.6	15
120	Sensitivity of Rigid Pavement Performance Predictions to Individual Climate Variables using Pavement ME Design. Journal of Transportation Engineering Part B: Pavements, 2020, 146, 04020028.	0.8	2
121	Analysis of interfacial adhesion properties of nano-silica modified asphalt mixtures using molecular dynamics simulation. Construction and Building Materials, 2020, 255, 119354.	3.2	111
122	Improvements on high-temperature stability, rheology, and stiffness of asphalt binder modified with waste crayfish shell powder. Journal of Cleaner Production, 2020, 264, 121745.	4.6	65
123	Anisotropy of multi-layered structure with sliding and bonded interlayer conditions. Frontiers of Structural and Civil Engineering, 2020, 14, 632-645.	1.2	6
124	Adaptive Three-Dimensional Aggregate Shape Fitting and Mesh Optimization for Finite-Element Modeling. Journal of Computing in Civil Engineering, 2020, 34, .	2.5	7
125	Investigating fatigue life prediction of rubber asphalt mixture based on damage evolution using residual strain analysis approach. Construction and Building Materials, 2020, 257, 119476.	3.2	23
126	Region-based adaptive asphalt mixture microstructural modeling for efficient numerical simulation. Construction and Building Materials, 2020, 257, 119431.	3.2	4

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127	Dynamic friction coefficient between tire and compacted asphalt mixtures using tire-pavement dynamic friction analyzer. Construction and Building Materials, 2020, 258, 119492.	3.2	15
128	Porosity Prediction of Granular Materials through Discrete Element Method and Back Propagation Neural Network Algorithm. Applied Sciences (Switzerland), 2020, 10, 1693.	1.3	7
129	Comparisons of Natural and Enhanced Asphalt Mixtures Containing Recycled Cement-Stabilized Macadam as Aggregates. Journal of Materials in Civil Engineering, 2020, 32, 05020003.	1.3	9
130	Serviceability during asphaltic concrete production and leaching concerns of asphalt mixture prepared with recycled paper mill sludge. International Journal of Pavement Engineering, 2020, , 1-11.	2.2	3
131	Rheological and Spectroscopic Properties of Ethylene Vinyl Acetateâ€“Modified Rubberized Asphalt. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	15
132	Rheological properties and chemical characterisation of reacted and activated rubber modified asphalt binder. Road Materials and Pavement Design, 2020, 21, S140-S154.	2.0	14
133	The Effect of Waste Engine Oil and Waste Polyethylene on UV Aging Resistance of Asphalt. Polymers, 2020, 12, 602.	2.0	27
134	Influence of Coarse-Aggregate Angularity on Asphalt Mixture Macroperformance: Skid Resistance, High-Temperature, and Compaction Performance. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	26
135	Three-dimensional quantification and classification approach for angularity and surface texture based on surface triangulation of reconstructed aggregates. Construction and Building Materials, 2020, 246, 118120.	3.2	17
136	Measurement and modeling of skid resistance of asphalt pavement: A review. Construction and Building Materials, 2020, 260, 119878.	3.2	76
137	Study on impact of variables to pavement preheating operation in HIR by using FEM. Construction and Building Materials, 2020, 243, 118304.	3.2	5
138	Investigation of asphalt mixture internal structure consistency in accelerated discrete element models. Construction and Building Materials, 2020, 244, 118272.	3.2	24
139	Homogeneity evaluation of hot in-place recycling asphalt mixture using digital image processing technique. Journal of Cleaner Production, 2020, 258, 120524.	4.6	38
140	Effect of a lignin-based polyurethane on adhesion properties of asphalt binder during UV aging process. Construction and Building Materials, 2020, 247, 118547.	3.2	45
141	Characteristics of compound asphalt modified by waste tire rubber (WTR) and ethylene vinyl acetate (EVA): Conventional, rheological, and microstructural properties. Journal of Cleaner Production, 2020, 258, 120732.	4.6	54
142	Stability and rheology of asphalt-emulsion under varying acidic and alkaline levels. Journal of Cleaner Production, 2020, 256, 120417.	4.6	16
143	Combined Fourier-wavelet transforms for studying dynamic response of anisotropic multi-layered flexible pavement with linear-gradual interlayers. Applied Mathematical Modelling, 2020, 81, 559-581.	2.2	17
144	Using surface free energy to evaluate the fracture performance of asphalt binders. Construction and Building Materials, 2020, 240, 118004.	3.2	14

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145	Correlate aggregate angularity characteristics to the skid resistance of asphalt pavement based on image analysis technology. Construction and Building Materials, 2020, 242, 118150.	3.2	28
146	Microscopic analysis and mechanical properties of Recycled Paper Mill Sludge modified asphalt mixture using granite and limestone aggregates. Construction and Building Materials, 2020, 243, 118172.	3.2	13
147	Assessing artificial neural network performance for predicting interlayer conditions and layer modulus of multi-layered flexible pavement. Frontiers of Structural and Civil Engineering, 2020, 14, 487-500.	1.2	27
148	External sulfate attack on concrete under combined effects of flexural fatigue loading and drying-wetting cycles. Construction and Building Materials, 2020, 249, 118224.	3.2	36
149	Aggregate Representation Approach in 3D Discrete-Element Modeling Supporting Adaptive Shape and Mass Property Fitting of Realistic Aggregates. Journal of Engineering Mechanics - ASCE, 2020, 146, .	1.6	15
150	Experimental Study on the Performance Decay of Permeable Asphalt Mixture in Seasonally Frozen Regions under Freeze-Thaw Cycles. Sustainability, 2020, 12, 2966.	1.6	8
151	Modeling shear stress response of bituminous materials under small and large strains. Construction and Building Materials, 2020, 252, 119133.	3.2	10
152	Preparation process of bio-oil and bio-asphalt, their performance, and the application of bio-asphalt: A comprehensive review. Journal of Traffic and Transportation Engineering (English Edition), 2020, 7, 137-151.	2.0	48
153	Morphological Identification of Latex Modified Asphalt Binder Prepared with Surfactants. Lecture Notes in Civil Engineering, 2020, , 1175-1185.	0.3	1
154	Warm mix asphalt technology: An up to date review. Journal of Cleaner Production, 2020, 268, 122128.	4.6	120
155	Self-healing capability of asphalt mixture containing polymeric composite fibers under acid and saline-alkali water solutions. Journal of Cleaner Production, 2020, 268, 122387.	4.6	37
156	Effect of Key Aggregate Morphology and Mold Modulus on the Spatial Distribution of Internal Air Voids in the Compacted Asphalt Mixture. Journal of Testing and Evaluation, 2020, 48, 4324-4342.	0.4	3
157	Study on Workability and Skid Resistance of Bio-Oilâ€“Modified Fog Seal with Sand. Journal of Testing and Evaluation, 2020, 48, 2072-2092.	0.4	11
158	Effect of Asphalt Grade and Polymer Type (SBS and EE-2) on Produced PMB and Asphalt Concrete Mix Properties. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	7
159	How to Achieve Efficiency and Accuracy in Discrete Element Simulation of Asphalt Mixture: A DRF-Based Equivalent Model for Asphalt Sand Mortar. Advances in Civil Engineering, 2020, 2020, 1-10.	0.4	1
160	Effect of anisotropic characteristics on the mechanical behavior of asphalt concrete overlay. Frontiers of Structural and Civil Engineering, 2019, 13, 110-122.	1.2	31
161	Rheological Characteristics of Reacted and Activated Rubber Modified Asphalt Binder. , 2019, , .		1
162	Investigation on the Cooling and Evaporation Behavior of Semi-Flexible Water Retaining Pavement based on Laboratory Test and Thermal-Mass Coupling Analysis. Materials, 2019, 12, 2546.	1.3	9

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163	Effects of preheating conditions on performance and workability of hot in-place recycled asphalt mixtures. Construction and Building Materials, 2019, 226, 288-298.	3.2	44
164	Unified fatigue characteristics model for cement-stabilized macadam under various loading modes. Construction and Building Materials, 2019, 223, 775-783.	3.2	36
165	Laboratory research on the performance of stress-absorption interlayer (SAI) of waste tire rubber and amorphous ploy alpha olefin modified asphalt. Construction and Building Materials, 2019, 223, 830-840.	3.2	14
166	Laboratory evaluation on comprehensive performance of polyurethane rubber particle mixture. Construction and Building Materials, 2019, 224, 29-39.	3.2	47
167	Research on properties of bitumen mortar containing municipal solid waste incineration fly ash. Construction and Building Materials, 2019, 218, 657-666.	3.2	54
168	Moisture Susceptibility of Warm Mix Asphalt (WMA) with an Organic Wax Additive Based on X-Ray Computed Tomography (CT) Technology. Advances in Civil Engineering, 2019, 2019, 1-12.	0.4	19
169	High-Temperature Performance of Polymer-Modified Asphalt Mixes: Preliminary Evaluation of the Usefulness of Standard Technical Index in Polymer-Modified Asphalt. Polymers, 2019, 11, 1404.	2.0	29
170	Construction Technology of Warm and Hot Mix Epoxy Asphalt Paving for Long-Span Steel Bridge. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	37
171	Determining Aggregate Grain Size Using Discrete-Element Models of Sieve Analysis. International Journal of Geomechanics, 2019, 19, .	1.3	19
172	Investigation of adhesion and interface bond strength for pavements underlying chip-seal: Effect of asphalt-aggregate combinations and freeze-thaw cycles on chip-seal. Construction and Building Materials, 2019, 203, 322-330.	3.2	45
173	Characterizations of foamed asphalt binders prepared using combinations of physical and chemical foaming agents. Construction and Building Materials, 2019, 204, 94-104.	3.2	21
174	Analytical solution for the effect of anisotropic layers/interlayers on an elastic multi-layered medium subjected to moving load. International Journal of Solids and Structures, 2019, 172-173, 10-20.	1.3	30
175	Performance Test on Styrene-Butadiene-Styrene (SBS) Modified Asphalt Based on the Different Evaluation Methods. Applied Sciences (Switzerland), 2019, 9, 467.	1.3	37
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