

Huang, Bs

List of Publications by Year in descending order

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273
papers

13,155
citations

19608

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h-index

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all docs

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docs citations

274
times ranked

5989
citing authors

#	ARTICLE	IF	CITATIONS
1	Recycling of waste tire rubber in asphalt and portland cement concrete: An overview. <i>Construction and Building Materials</i> , 2014, 67, 217-224.	3.2	469
2	Laboratory evaluation of permeability and strength of polymer-modified pervious concrete. <i>Construction and Building Materials</i> , 2010, 24, 818-823.	3.2	326
3	Development of waste tire modified concrete. <i>Cement and Concrete Research</i> , 2004, 34, 2283-2289.	4.6	266
4	Laboratory evaluation of fatigue characteristics of recycled asphalt mixture. <i>Construction and Building Materials</i> , 2008, 22, 1323-1330.	3.2	231
5	Energy consumption and environmental impact of rubberized asphalt pavement. <i>Journal of Cleaner Production</i> , 2018, 180, 139-158.	4.6	226
6	Strength, microstructure, efflorescence behavior and environmental impacts of waste glass geopolymers cured at ambient temperature. <i>Journal of Cleaner Production</i> , 2020, 252, 119610.	4.6	225
7	Laboratory investigation of portland cement concrete containing recycled asphalt pavements. <i>Cement and Concrete Research</i> , 2005, 35, 2008-2013.	4.6	212
8	Investigation of Reclaimed Asphalt Pavement blending efficiency through GPC and FTIR. <i>Construction and Building Materials</i> , 2014, 50, 517-523.	3.2	201
9	Rubber modified concrete improved by chemically active coating and silane coupling agent. <i>Construction and Building Materials</i> , 2013, 48, 116-123.	3.2	192
10	Mechanical and microstructural characterization of geopolymers derived from red mud and fly ashes. <i>Journal of Cleaner Production</i> , 2018, 186, 799-806.	4.6	180
11	Laboratory Investigation of Mixing Hot-Mix Asphalt with Reclaimed Asphalt Pavement. <i>Transportation Research Record</i> , 2005, 1929, 37-45.	1.0	176
12	Laboratory evaluation of moisture susceptibility of foamed warm mix asphalt containing high percentages of RAP. <i>Construction and Building Materials</i> , 2012, 35, 125-130.	3.2	174
13	Use of random forests regression for predicting IRI of asphalt pavements. <i>Construction and Building Materials</i> , 2018, 189, 890-897.	3.2	169
14	Use of molecular dynamics to investigate diffusion between virgin and aged asphalt binders. <i>Fuel</i> , 2016, 174, 267-273.	3.4	165
15	Investigation into Waste Tire Rubber-Filled Concrete. <i>Journal of Materials in Civil Engineering</i> , 2004, 16, 187-194.	1.3	161
16	Comparative evaluation of warm mix asphalt containing high percentages of reclaimed asphalt pavement. <i>Construction and Building Materials</i> , 2013, 44, 92-100.	3.2	153
17	A laboratory investigation of steel to fly ash-based geopolymer paste bonding behavior after exposure to elevated temperatures. <i>Construction and Building Materials</i> , 2020, 254, 119267.	3.2	151
18	Infrared spectra and rheological properties of asphalt cement containing waste engine oil residues. <i>Construction and Building Materials</i> , 2014, 50, 683-691.	3.2	148

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19	Influence of warm-mix asphalt technology and rejuvenator on performance of asphalt mixtures containing 50% reclaimed asphalt pavement. <i>Journal of Cleaner Production</i> , 2018, 192, 191-198.	4.6	148
20	Mechanical properties of concrete containing recycled asphalt pavements. <i>Magazine of Concrete Research</i> , 2006, 58, 313-320.	0.9	144
21	Multivariate random-parameters zero-inflated negative binomial regression model: An application to estimate crash frequencies at intersections. <i>Accident Analysis and Prevention</i> , 2014, 70, 320-329.	3.0	140
22	Louisiana Experience with Crumb Rubber-Modified Hot-Mix Asphalt Pavement. <i>Transportation Research Record</i> , 2002, 1789, 1-13.	1.0	138
23	A two-staged surface treatment to improve properties of rubber modified cement composites. <i>Construction and Building Materials</i> , 2013, 40, 270-274.	3.2	133
24	Laboratory investigation into mechanical properties of cement emulsified asphalt mortar. <i>Construction and Building Materials</i> , 2014, 65, 76-83.	3.2	128
25	Performance comparison of laboratory and field produced pervious concrete mixtures. <i>Construction and Building Materials</i> , 2011, 25, 3187-3192.	3.2	126
26	Influence of waste glass powder as a supplementary cementitious material (SCM) on physical and mechanical properties of cement paste under high temperatures. <i>Journal of Cleaner Production</i> , 2022, 340, 130778.	4.6	125
27	Evaluation of Glass Powder-Based Geopolymer Stabilized Road Bases Containing Recycled Waste Glass Aggregate. <i>Transportation Research Record</i> , 2020, 2674, 22-32.	1.0	124
28	A comparative study on geopolymers synthesized by different classes of fly ash after exposure to elevated temperatures. <i>Journal of Cleaner Production</i> , 2020, 270, 122500.	4.6	123
29	Fractal analysis of effect of air void on freeze-thaw resistance of concrete. <i>Construction and Building Materials</i> , 2013, 47, 126-130.	3.2	120
30	Laboratory Investigation of Cracking Resistance of Hot-Mix Asphalt Field Mixtures Containing Screened Reclaimed Asphalt Pavement. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 1535-1543.	1.3	119
31	Laboratory Performance Evaluation of Warm-Mix Asphalt Containing High Percentages of Reclaimed Asphalt Pavement. <i>Transportation Research Record</i> , 2012, 2294, 98-105.	1.0	119
32	Synergistic utilization of red mud for flue-gas desulfurization and fly ash-based geopolymer preparation. <i>Journal of Hazardous Materials</i> , 2019, 369, 503-511.	6.5	119
33	Laboratory Investigation of Mixing Hot-Mix Asphalt with Reclaimed Asphalt Pavement. , 0, .		111
34	Laboratory evaluation of incorporating waste ceramic materials into Portland cement and asphaltic concrete. <i>Construction and Building Materials</i> , 2009, 23, 3451-3456.	3.2	110
35	Strength properties of geopolymers derived from original and desulfurized red mud cured at ambient temperature. <i>Construction and Building Materials</i> , 2016, 125, 905-911.	3.2	106
36	Effects of mineral fillers on hot-mix asphalt laboratory-measured properties. <i>International Journal of Pavement Engineering</i> , 2007, 8, 1-9.	2.2	101

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37	Evaluation of moisture damage in hot mix asphalt using simple performance and superpave indirect tensile tests. <i>Construction and Building Materials</i> , 2008, 22, 1950-1962.	3.2	99
38	Effects of asphalt emulsion on properties of fresh cement emulsified asphalt mortar. <i>Construction and Building Materials</i> , 2015, 75, 25-30.	3.2	98
39	Quantitative evaluation of blending and diffusion in high RAP and RAS mixtures. <i>Materials and Design</i> , 2016, 89, 1161-1170.	3.3	95
40	Influence of waste glass powder on the physico-mechanical properties and microstructures of fly ash-based geopolymer paste after exposure to high temperatures. <i>Construction and Building Materials</i> , 2020, 262, 120579.	3.2	94
41	Investigating effects of asphalt pavement conditions on traffic accidents in Tennessee based on the pavement management system (PMS). <i>Journal of Advanced Transportation</i> , 2010, 44, 150-161.	0.9	92
42	Analytical investigation of phase assemblages of alkali-activated materials in CaO-SiO ₂ -Al ₂ O ₃ systems: The management of reaction products and designing of precursors. <i>Materials and Design</i> , 2020, 194, 108975.	3.3	91
43	Using notched semi circular bending fatigue test to characterize fracture resistance of asphalt mixtures. <i>Engineering Fracture Mechanics</i> , 2013, 109, 78-88.	2.0	90
44	Utilizing bio-char as a bio-modifier for asphalt cement: A sustainable application of bio-fuel by-product. <i>Fuel</i> , 2014, 133, 52-62.	3.4	90
45	Laboratory Evaluation of Abrasion Resistance of Portland Cement Pervious Concrete. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 697-702.	1.3	89
46	Micromechanics-based dynamic modulus prediction of polymeric asphalt concrete mixtures. <i>Composites Part B: Engineering</i> , 2008, 39, 704-713.	5.9	87
47	Air-Void Distribution Analysis of Asphalt Mixture Using Discrete Element Method. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 1375-1385.	1.3	84
48	Effect of particle size and curing temperature on mechanical and microstructural properties of waste glass-slag-based and waste glass-fly ash-based geopolymers. <i>Journal of Cleaner Production</i> , 2020, 273, 122970.	4.6	84
49	Influence of Asphalt Tack Coat Materials on Interface Shear Strength. <i>Transportation Research Record</i> , 2002, 1789, 56-65.	1.0	82
50	Dynamic Modulus Prediction of HMA Mixtures Based on the Viscoelastic Micromechanical Model. <i>Journal of Materials in Civil Engineering</i> , 2008, 20, 530-538.	1.3	80
51	Laboratory Evaluation of Moisture Susceptibility of Hot-Mix Asphalt Containing Cementitious Fillers. <i>Journal of Materials in Civil Engineering</i> , 2010, 22, 667-673.	1.3	79
52	Development of distress condition index of asphalt pavements using LTPP data through structural equation modeling. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 68, 58-69.	3.9	78
53	Improving accuracy of rutting prediction for mechanistic-empirical pavement design guide with deep neural networks. <i>Construction and Building Materials</i> , 2018, 190, 710-718.	3.2	77
54	Blending efficiency of Reclaimed Asphalt Pavement: An approach utilizing rheological properties and molecular weight distributions. <i>Fuel</i> , 2014, 135, 63-68.	3.4	75

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55	Investigation into Laboratory Abrasion Test Methods for Pervious Concrete. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 886-892.	1.3	74
56	Hybrid effects of carbon fibers on mechanical properties of Portland cement mortar. <i>Materials & Design</i> , 2015, 65, 1222-1228.	5.1	74
57	Rheological and aging characteristics of the recycled asphalt binders with different rejuvenator incorporation methods. <i>Journal of Cleaner Production</i> , 2020, 262, 121249.	4.6	73
58	Analytical modeling and experimental study of tensile strength of asphalt concrete composite at low temperatures. <i>Composites Part B: Engineering</i> , 2003, 34, 705-714.	5.9	70
59	Blending efficiency evaluation of plant asphalt mixtures using fluorescence microscopy. <i>Construction and Building Materials</i> , 2018, 161, 461-467.	3.2	70
60	Characterizing Rheological Properties of Binder and Blending Efficiency of Asphalt Paving Mixtures Containing RAS through GPC. <i>Journal of Materials in Civil Engineering</i> , 2014, 26, 941-946.	1.3	69
61	Compatibility and rheological characterization of asphalt modified with recycled rubber-plastic blends. <i>Construction and Building Materials</i> , 2021, 270, 121416.	3.2	69
62	Regression Model for Resilient Modulus of Subgrade Soils. <i>Transportation Research Record</i> , 1999, 1687, 47-54.	1.0	66
63	Assessment of compaction quality of multi-layer pavement structure based on intelligent compaction technology. <i>Construction and Building Materials</i> , 2018, 161, 316-329.	3.2	66
64	Influence of Waste Engine Oil on Asphalt Mixtures Containing Reclaimed Asphalt Pavement. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	64
65	Mechanical property and microstructure characteristics of geopolymer stabilized aggregate base. <i>Construction and Building Materials</i> , 2018, 191, 1120-1127.	3.2	64
66	Quantitative Characterization of Binder Blending. <i>Transportation Research Record</i> , 2015, 2506, 72-80.	1.0	63
67	Evaluation of Influence Factors on Crack Initiation of LTPP Resurfaced-Asphalt Pavements Using Parametric Survival Analysis. <i>Journal of Performance of Constructed Facilities</i> , 2014, 28, 412-421.	1.0	61
68	Utilization of solid wastes/byproducts from paper mills in Controlled Low Strength Material (CLSM). <i>Construction and Building Materials</i> , 2016, 118, 155-163.	3.2	61
69	Laboratory Investigation of Biochar-Modified Asphalt Mixture. <i>Transportation Research Record</i> , 2014, 2445, 56-63.	1.0	60
70	Evaluation of Effectiveness and Cost-Effectiveness of Asphalt Pavement Rehabilitations Utilizing LTPP Data. <i>Journal of Transportation Engineering</i> , 2012, 138, 681-689.	0.9	59
71	Laboratory evaluation of tensile strength and energy absorbing properties of cement mortar reinforced with micro- and meso-sized carbon fibers. <i>Construction and Building Materials</i> , 2013, 44, 751-756.	3.2	59
72	Identifying the factors contributing to the severity of truck-involved crashes. <i>International Journal of Injury Control and Safety Promotion</i> , 2015, 22, 116-126.	1.0	59

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73	Investigating impacts of asphalt mixture properties on pavement performance using LTPP data through random forests. <i>Construction and Building Materials</i> , 2019, 204, 203-212.	3.2	59
74	Effects of Electrically Conductive Additives on Laboratory-Measured Properties of Asphalt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2009, 21, 612-617.	1.3	57
75	Predicting Dynamic Modulus of Asphalt Mixtures with Differential Method. <i>Road Materials and Pavement Design</i> , 2009, 10, 337-359.	2.0	56
76	Alkali-activated slag supplemented with waste glass powder: Laboratory characterization, thermodynamic modelling and sustainability analysis. <i>Journal of Cleaner Production</i> , 2021, 286, 125554.	4.6	56
77	The utilization of waste plastics in asphalt pavements: A review. <i>Cleaner Materials</i> , 2021, 2, 100031.	1.9	56
78	Laboratory investigation of particle size effects on the shear behavior of aggregate-geogrid interface. <i>Construction and Building Materials</i> , 2018, 158, 1015-1025.	3.2	54
79	Direct shear properties of railway ballast mixed with tire derived aggregates: Experimental and numerical investigations. <i>Construction and Building Materials</i> , 2019, 200, 465-473.	3.2	54
80	Laboratory Evaluation on Resilient Modulus and Rate Dependencies of RAP Used as Unbound Base Material. <i>Journal of Materials in Civil Engineering</i> , 2014, 26, 379-383.	1.3	52
81	Characterizing blending efficiency of plant produced asphalt paving mixtures containing high RAP. <i>Construction and Building Materials</i> , 2016, 126, 172-178.	3.2	52
82	Effects of coarse aggregate angularity and asphalt binder on laboratory-measured permanent deformation properties of HMA. <i>International Journal of Pavement Engineering</i> , 2009, 10, 19-28.	2.2	51
83	Field and laboratory evaluation of winter season pavement pothole patching materials. <i>International Journal of Pavement Engineering</i> , 2014, 15, 279-289.	2.2	50
84	A unified procedure for rapidly determining asphalt concrete discrete relaxation and retardation spectra. <i>Construction and Building Materials</i> , 2015, 93, 35-48.	3.2	50
85	Chemical, Mechanical, and Durability Properties of Concrete with Local Mineral Admixtures under Sulfate Environment in Northwest China. <i>Materials</i> , 2014, 7, 3772-3785.	1.3	48
86	Characterization of asphalt concrete linear viscoelastic behavior utilizing Havriliak-Negami complex modulus model. <i>Construction and Building Materials</i> , 2015, 99, 226-234.	3.2	48
87	Field performance evaluation of asphalt mixtures containing high percentage of RAP using LTPP data. <i>Construction and Building Materials</i> , 2018, 176, 118-128.	3.2	48
88	Application of discrete element method to Superpave gyratory compaction. <i>Road Materials and Pavement Design</i> , 2012, 13, 480-500.	2.0	47
89	Differences in passenger car and large truck involved crash frequencies at urban signalized intersections: An exploratory analysis. <i>Accident Analysis and Prevention</i> , 2014, 62, 87-94.	3.0	47
90	Numerical simulation of fly ash concrete under sulfate attack. <i>Construction and Building Materials</i> , 2015, 84, 261-268.	3.2	47

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91	Performance evaluation of temperature effect on hot in-place recycling asphalt mixtures. <i>Journal of Cleaner Production</i> , 2020, 277, 124093.	4.6	47
92	Cementless controlled low-strength material (CLSM) based on waste glass powder and hydrated lime: Synthesis, characterization and thermodynamic simulation. <i>Construction and Building Materials</i> , 2021, 275, 122157.	3.2	47
93	Utilising intelligent compaction meter values to evaluate construction quality of asphalt pavement layers. <i>Road Materials and Pavement Design</i> , 2017, 18, 980-991.	2.0	46
94	Characterization of aggregate interlocking in hot mix asphalt by mechanistic performance tests. <i>Road Materials and Pavement Design</i> , 2021, 22, S498-S513.	2.0	46
95	A state-of-the-art review of crushed urban waste glass used in OPC and AAMs (geopolymer): Progress and challenges. <i>Cleaner Materials</i> , 2022, 4, 100083.	1.9	45
96	DEM Simulation of Laboratory Compaction of Asphalt Mixtures Using an Open Source Code. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	44
97	Experimental investigation of utilizing waste flue gas desulfurized gypsum as backfill materials. <i>Construction and Building Materials</i> , 2020, 245, 118393.	3.2	44
98	Investigating the influence of curbs on single-vehicle crash injury severity utilizing zero-inflated ordered probit models. <i>Accident Analysis and Prevention</i> , 2013, 57, 55-66.	3.0	43
99	Evaluation of inverted pavement by structural condition indicators from falling weight deflectometer. <i>Construction and Building Materials</i> , 2022, 319, 125991.	3.2	43
100	Recycled polyethylene and crumb rubber composites modified asphalt with improved aging resistance and thermal stability. <i>Journal of Cleaner Production</i> , 2022, 334, 130102.	4.6	42
101	Laboratory investigation of interlayer shear fatigue performance between open-graded friction course and underlying layer. <i>Construction and Building Materials</i> , 2016, 115, 381-389.	3.2	41
102	Analytical Modeling of Three-Layered HMA Mixtures. <i>International Journal of Geomechanics</i> , 2007, 7, 140-148.	1.3	40
103	Investigation into three-layered HMA mixtures. <i>Composites Part B: Engineering</i> , 2006, 37, 679-690.	5.9	39
104	Factors affecting shear strength between open-graded friction course and underlying layer. <i>Construction and Building Materials</i> , 2015, 101, 527-535.	3.2	39
105	Investigation into Locking Point of Asphalt Mixtures Utilizing Superpave and Marshall Compactors. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	39
106	Experimental and Thermodynamic Study of Alkali-Activated Waste Glass and Calcium Sulfoaluminate Cement Blends: Shrinkage, Efflorescence Potential, and Phase Assemblages. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	39
107	Refining laboratory procedure for artificial RAP: A comparative study. <i>Construction and Building Materials</i> , 2014, 52, 385-390.	3.2	38
108	Effect of granulated phosphorus slag on physical, mechanical and microstructural characteristics of Class F fly ash based geopolymer. <i>Construction and Building Materials</i> , 2021, 291, 123287.	3.2	38

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109	Cost-Effectiveness Analyses of Maintenance Treatments for Low- and Moderate-Traffic Asphalt Pavements in Tennessee. <i>Journal of Transportation Engineering</i> , 2013, 139, 797-803.	0.9	37
110	Investigation on the microstructure of recycled asphalt shingle binder and its blending with virgin bitumen. <i>Road Materials and Pavement Design</i> , 2015, 16, 21-38.	2.0	37
111	Characterizing rheological behavior of asphalt binder over a complete range of pavement service loading frequency and temperature. <i>Construction and Building Materials</i> , 2016, 123, 661-672.	3.2	37
112	Effectiveness Analyses of Flexible Pavement Preventive Maintenance Treatments with LTPP SPS-3 Experiment Data. <i>Journal of Transportation Engineering</i> , 2016, 142, .	0.9	37
113	Optimal Thresholds for Pavement Preventive Maintenance Treatments Using LTPP Data. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, .	0.8	37
114	Micromechanical Model for Predicting Coefficient of Thermal Expansion of Concrete. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 1171-1180.	1.3	36
115	Estimating Factors Contributing to Frequency and Severity of Large Truck-Involved Crashes. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017, 143, .	0.8	35
116	Geostatistical analysis of intelligent compaction measurements for asphalt pavement compaction. <i>Automation in Construction</i> , 2018, 89, 162-169.	4.8	35
117	Evaluation of the hot mix asphalt compactability utilizing the impact compaction method. <i>Construction and Building Materials</i> , 2018, 187, 131-137.	3.2	35
118	Predicting concrete coefficient of thermal expansion with an improved micromechanical model. <i>Construction and Building Materials</i> , 2014, 68, 10-16.	3.2	34
119	Failure Probability of Resurfaced Preventive Maintenance Treatments. <i>Transportation Research Record</i> , 2015, 2481, 65-74.	1.0	33
120	Investigation on binder homogeneity of RAP/RAS mixtures through staged extraction. <i>Construction and Building Materials</i> , 2015, 82, 184-191.	3.2	33
121	Potential Alternative to Styrene-Butadiene-Styrene for Asphalt Modification Using Recycled Rubber-Plastic Blends. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	33
122	Neutron Scattering for Moisture Detection in Foamed Asphalt. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 932-938.	1.3	32
123	Gradient Boosted Models for Enhancing Fatigue Cracking Prediction in Mechanistic-Empirical Pavement Design Guide. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2019, 145, 04019014.	0.8	32
124	Quantifying the effects of geogrid reinforcement in unbound granular base. <i>Geotextiles and Geomembranes</i> , 2019, 47, 369-376.	2.3	32
125	Evaluation of geogrid reinforcement effects on unbound granular pavement base courses using loaded wheel tester. <i>Geotextiles and Geomembranes</i> , 2015, 43, 462-469.	2.3	31
126	Comparative investigation into field performance of steel bridge deck asphalt overlay systems. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 2755-2764.	0.9	31

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127	Evaluation of compactability of asphalt mixture utilizing asphalt vibratory compactor. Construction and Building Materials, 2017, 139, 419-429.	3.2	31
128	Use of water reducer to enhance the mechanical and durability properties of cement-treated soil. Construction and Building Materials, 2018, 159, 690-694.	3.2	31
129	Quantifying the effective mobilized RAP content during hot in-place recycling techniques. Journal of Cleaner Production, 2021, 314, 127953.	4.6	31
130	Influence of moisture content on intelligent soil compaction. Automation in Construction, 2020, 113, 103141.	4.8	30
131	Influence of Interface Characteristics on the Shear Performance between Open-Graded Friction Course and Underlying Layer. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	29
132	Utilizing Fluorescence Microscopy for Quantifying Mobilization Rate of Aged Asphalt Binder. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	29
133	Advances in Pavement materials, design, characterisation, and simulation. Road Materials and Pavement Design, 2017, 18, 1-11.	2.0	29
134	Investigation of functional group distribution of asphalt using liquid chromatography transform and prediction of molecular model. Fuel, 2018, 227, 300-306.	3.4	29
135	Investigating key factors of intelligent compaction for asphalt paving: A comparative case study. Construction and Building Materials, 2019, 229, 116876.	3.2	29
136	Interaction between Railroad Ballast and Sleeper: A DEM-FEM Approach. International Journal of Geomechanics, 2019, 19, .	1.3	28
137	Removal of ciprofloxacin as an emerging pollutant: A novel application for bauxite residue reuse. Journal of Cleaner Production, 2020, 253, 120049.	4.6	28
138	Field investigation and numerical analysis of an inverted pavement system in Tennessee, USA. Transportation Geotechnics, 2022, 35, 100759.	2.0	28
139	Moisture damage mechanism and material selection of HMA with amine antistripping agent. Materials and Design, 2022, 220, 110797.	3.3	28
140	Uniaxial Penetration Testing for Shear Resistance of Hot-Mix Asphalt Mixtures. Transportation Research Record, 2006, 1970, 116-125.	1.0	27
141	Case study: performance effectiveness and cost-benefit analyses of open-graded friction course pavements in Tennessee. International Journal of Pavement Engineering, 2017, 18, 957-970.	2.2	27
142	Investigation of the strength development of cast-in-place geopolymer piles with heating systems. Journal of Cleaner Production, 2019, 215, 1481-1489.	4.6	27
143	Neural networks for fatigue cracking prediction using outputs from pavement mechanistic-empirical design. International Journal of Pavement Engineering, 2021, 22, 162-172.	2.2	27
144	Comparison Between Flat Rubber Wheeled Loaded Wheel Tester and Asphalt Pavement Analyzer. Road Materials and Pavement Design, 2007, 8, 595-604.	2.0	26

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145	Influence of aggregates angularity on the locking point of asphalt mixtures. Road Materials and Pavement Design, 2019, 20, S183-S195.	2.0	26
146	Improved estimation of dynamic modulus for hot mix asphalt using deep learning. Construction and Building Materials, 2020, 263, 119912.	3.2	26
147	Laboratory Performance Evaluation of Cement-Stabilized Soil Base Mixtures. Transportation Research Record, 2000, 1721, 19-28.	1.0	25
148	Application of a Temperature Dependent Viscoplastic Hierarchical Single Surface Model for Asphalt Mixtures. Journal of Materials in Civil Engineering, 2004, 16, 147-154.	1.3	25
149	Evaluation of Cracking Resistance of Recycled Asphalt Mixture Using Semi-Circular Bending Test. , 2010, , .		25
150	Statistical Analyses of Field Serviceability of Throw-and-Roll Pothole Patches. Journal of Transportation Engineering, 2015, 141, .	0.9	25
151	Laboratory characterization of controlled low-strength materials. Materials & Design, 2015, 65, 806-813.	5.1	25
152	Online Bearing Clearance Monitoring Based on an Accurate Vibration Analysis. Energies, 2020, 13, 389.	1.6	25
153	A review on Graphene/GNPs/GO modified asphalt. Construction and Building Materials, 2022, 330, 127222.	3.2	25
154	Analyzing Influence Factors of Transverse Cracking on LTPP Resurfaced Asphalt Pavements through NB and ZINB Models. Journal of Transportation Engineering, 2013, 139, 889-895.	0.9	24
155	Sustainability innovations in transportation infrastructure: An overview of the special volume on sustainable road paving. Journal of Cleaner Production, 2019, 235, 369-377.	4.6	24
156	Alkali-activated slag (AAS) and OPC-based composites containing crumb rubber aggregate: Physico-mechanical properties, durability and oxidation of rubber upon NaOH treatment. Journal of Cleaner Production, 2022, 367, 132896.	4.6	24
157	Comparison of Semi-Circular Bending and Indirect Tensile Strength Tests for HMA Mixtures. , 2005, , 1.		23
158	Characterizing Fatigue Behavior of Asphalt Mixtures Utilizing Loaded Wheel Tester. Journal of Materials in Civil Engineering, 2014, 26, 152-159.	1.3	23
159	Long-Term Cost-Effectiveness of Asphalt Pavement Pothole Patching Methods. Transportation Research Record, 2014, 2431, 49-56.	1.0	23
160	Calibration and Application of Treatment Performance Models in a Pavement Management System in Tennessee. Journal of Transportation Engineering, 2015, 141, .	0.9	23
161	Effects of Asphalt Mixture Type on Asphalt Pavement Interlayer Shear Properties. Journal of Transportation Engineering Part B: Pavements, 2018, 144, 04018021.	0.8	23
162	Analysis of critical factors to asphalt overlay performance using gradient boosted models. Construction and Building Materials, 2020, 262, 120083.	3.2	23

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163	Numerical Simulation of Geosynthetic-Reinforced Flexible Pavements. Transportation Research Record, 1996, 1534, 58-65.	1.0	22
164	Recommendations on Intelligent Compaction Parameters for Asphalt Resurfacing Quality Evaluation. Journal of Construction Engineering and Management - ASCE, 2017, 143, .	2.0	22
165	Improving Damping Properties of Railway Ballast by Addition of Tire-Derived Aggregate. Transportation Research Record, 2019, 2673, 299-307.	1.0	22
166	Mix design optimization and early strength prediction of unary and binary geopolymers from multiple waste streams. Journal of Hazardous Materials, 2021, 403, 123632.	6.5	22
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