Elham H Fini

List of Publications by Year
in descending order

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157 papers	5,225 citations	61857 43 h-index	114278 63 g-index
157 all docs	157 docs citations	157 times ranked	1880 citing authors

#	Article	IF	Citations
1	Do all rejuvenators improve asphalt performance?. Road Materials and Pavement Design, 2022, 23, 358-376.	2.0	49
2	State of the art in the application of functionalized waste polymers in the built environment. Resources, Conservation and Recycling, 2022, 177, 105967.	5.3	22
3	Relationship between colloidal index and chemo-rheological properties of asphalt binders modified by various recycling agents. Construction and Building Materials, 2022, 318, 126161.	3.2	27
4	Towards more durable recycled bituminous composites. Construction and Building Materials, 2022, 318, 126177.	3.2	1
5	Introducing a Sustainable Bio-Based Polyurethane to Enhance the Healing Capacity of Bitumen. Journal of Materials in Civil Engineering, 2022, 34, .	1.3	15
6	High-sulfur bitumen amplifies the effect of polyphosphoric acid. Fuel, 2022, 314, 123128.	3.4	4
7	Toward Carbon-Negative and Emission-Curbing Roads to Drive Environmental Health. ACS Sustainable Chemistry and Engineering, 2022, 10, 1857-1862.	3.2	9
8	Evaluation of the compatibility of waste plastics and bitumen using micromechanical modeling. Construction and Building Materials, 2022, 317, 126107.	3.2	4
9	Phenolic Compounds to Hinder Sulfur Crystallization in Sulfur-Extended Bitumen. Resources, Conservation and Recycling, 2022, 180, 106184.	5.3	4
10	A comparative study on efficacy of waste plastic and waste Rubber in bitumen. Construction and Building Materials, 2022, 325, 126724.	3.2	6
11	Sustainable construction via novel geopolymer composites incorporating waste plastic of different sizes and shapes. Construction and Building Materials, 2022, 324, 126697.	3.2	23
12	Biomass Waste to Produce Phenolic Compounds as Antiaging Additives for Asphalt. ACS Sustainable Chemistry and Engineering, 2022, 10, 3892-3908.	3.2	14
13	Effects of sulfur phase transition on moisture-induced damages in bitumen colloidal structure. Journal of Industrial and Engineering Chemistry, 2022, 107, 109-117.	2.9	4
14	Bio-modified rubberized asphalt binder: A clean, sustainable approach to recycle rubber into construction. Journal of Cleaner Production, 2022, 345, 131151.	4.6	37
15	Preventing emissions of hazardous organic compounds from bituminous composites. Journal of Cleaner Production, 2022, 344, 131067.	4.6	8
16	Introducing a New Test to Examine Moisture Susceptibility at the Interface of Bitumen and Stones. Journal of Transportation Engineering Part B: Pavements, 2022, 148, .	0.8	4
17	Functionalized Waste Plastic Granules to Enhance Sustainability of Bituminous Composites. Resources, Conservation and Recycling, 2022, 183, 106353.	5.3	17
18	Unraveling the modification mechanisms of waste bio-oils and crumb rubber on asphalt binder based on microscopy and chemo-rheology. Resources, Conservation and Recycling, 2022, 185, 106447.	5.3	27

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19	Use of microbially desulfurized rubber to produce sustainable rubberized bitumen. Resources, Conservation and Recycling, 2021, 164, 105144.	5.3	37
20	Polyphosphoric Acid's synergy with bio-modified bituminous composites. Resources, Conservation and Recycling, 2021, 168, 105310.	5.3	9
21	Enhancing Biomass Value Chain by Utilizing Biochar as A Free Radical Scavenger to Delay Ultraviolet Aging of Bituminous Composites Used in Outdoor Construction. Resources, Conservation and Recycling, 2021, 168, 105302.	5.3	25
22	Transesterification of Waste Cooking Oil to Produce A Sustainable Rejuvenator for Aged Asphalt. Resources, Conservation and Recycling, 2021, 168, 105297.	5.3	66
23	Effects of Amide-Based modifiers on surface activation and devulcanization of rubber. Computational Materials Science, 2021, 188, 110175.	1.4	9
24	Increasing the efficacy of recycling agents with simultaneous addition of zinc diethyldithiocarbamate as an antioxidant. Construction and Building Materials, 2021, 271, 121892.	3.2	15
25	Phenolic compounds to amplify the effect of sulfur on Bitumenâ€™s thermomechanical properties. Fuel, 2021, 287, 119532.	3.4	11
26	Surface functionalization of silica nanoparticles with swine manure-derived bio-binder to enhance bitumen performance in road pavement. Construction and Building Materials, 2021, 266, 121000.	3.2	11
27	Reducing susceptibility to moisture damage in asphalt pavements using polyethylene terephthalate and sodium montmorillonite clay. Construction and Building Materials, 2021, 269, 121302.	3.2	32
28	Understanding How Polyphosphoric Acid Changes Bitumenâ€™s Response to Water Exposure. ACS Sustainable Chemistry and Engineering, 2021, 9, 1313-1322.	3.2	9
29	A heterogeneous micromechanical model for bituminous composites containing rigid and flexible particulates. Construction and Building Materials, 2021, 275, 122102.	3.2	5
30	Effect of Sulfur on Bio-Modified Rubberized Bitumen. Construction and Building Materials, 2021, 273, 122034.	3.2	9
31	Introducing the critical aging point (CAP) of asphalt based on its restoration capacity. Construction and Building Materials, 2021, 278, 122379.	3.2	11
32	End of life plastics to enhance sustainability of pavement construction utilizing a hybrid treatment of bio-oil and carbon coating. Construction and Building Materials, 2021, 278, 122444.	3.2	11
33	Interaction mechanisms of polyphosphoric acid and nano clay in bituminous composites. Journal of Colloid and Interface Science, 2021, 588, 446-455.	5.0	13
34	Balancing the Aromatic and Ketone Content of Bio-oils as Rejuvenators to Enhance Their Efficacy in Restoring Properties of Aged Bitumen. ACS Sustainable Chemistry and Engineering, 2021, 9, 6912-6922.	3.2	23
35	The effect of progressive aging on the bond strength of bitumen to siliceous stones. Applied Surface Science, 2021, 550, 149324.	3.1	22
36	Review on Aging of Bio-Oil from Biomass Pyrolysis and Strategy to Slowing Aging. Energy & Fuels, 2021, 35, 11665-11692.	2.5	39

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37	Investigating Aging and Rejuvenation Mechanism of Biomodified Rubberized Bitumen. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	8
38	Weathering Mechanisms in Bitumen Modified with Polyphosphoric Acid. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	2
39	Protein enriched biowaste: A viable feedstock to make durable bio-binders for bituminous composites. Resources, Conservation and Recycling, 2021, 170, 105576.	5.3	4
40	Sustainability Implications of Regenerative Sulfur Blooms in Bituminous Composites. ACS Sustainable Chemistry and Engineering, 2021, 9, 9486-9493.	3.2	4
41	Production of functionalized carbon from synergistic hydrothermal liquefaction of microalgae and swine manure. Resources, Conservation and Recycling, 2021, 170, 105564.	5.3	21
42	Robust cleaning mechanism permanently detaches hydrocarbon species from silicate surfaces by amphiphiles. Applied Surface Science, 2021, 558, 149954.	3.1	6
43	Effects of ultraviolet exposure on physicochemical and mechanical properties of bio-modified rubberized bitumen: Sustainability promotion and resource conservation. Resources, Conservation and Recycling, 2021, 171, 105626.	5.3	24
44	Durability of rubberized asphalt binders containing waste cooking oil under thermal and ultraviolet aging. Construction and Building Materials, 2021, 299, 124282.	3.2	36
45	A multifunctional bio-agent for extraction of aged bitumen from siliceous surfaces. Journal of Industrial and Engineering Chemistry, 2021, , .	2.9	4
46	Introduction of Polymer Nanocomposites to Bitumen to Enhance its Thermomechanical Properties. Journal of Transportation Engineering Part B: Pavements, 2021, 147, .	0.8	4
47	Toward sustainability in the built environment: An integrative approach. Resources, Conservation and Recycling, 2021, 172, 105676.	5.3	3
48	Interactions of SARS-CoV-2 with inanimate surfaces in built and transportation environments. Sustainable Cities and Society, 2021, 72, 103031.	5.1	5
49	Investigating aging properties of bitumen modified with polyethylene-terephthalate waste plastic. Resources, Conservation and Recycling, 2021, 173, 105687.	5.3	25
50	Turning two waste streams into one solution for enhancing sustainability of the built environment. Resources, Conservation and Recycling, 2021, 174, 105778.	5.3	8
51	State of the art in recycling waste thermoplastics and thermosets and their applications in construction. Resources, Conservation and Recycling, 2021, 174, 105776.	5.3	65
52	Enhancing the Economics and Environmental Sustainability of the Manufacturing Process for Air-Blown bitumen. Journal of Cleaner Production, 2021, 323, 128978.	4.6	4
53	Effect of Taconite on Healing and Thermal Characteristics of Asphalt Binder. Journal of Materials in Civil Engineering, 2021, 33, .	1.3	3
54	Inherently Functionalized Carbon from Algae to Adsorb Precursors of Secondary Organic Aerosols in Noncombustion Sources. ACS Sustainable Chemistry and Engineering, 2021, 9, 14375-14384.	3.2	13

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55	Effect of polyphosphoric acid on fracture properties of asphalt binder and asphalt mixtures. Construction and Building Materials, 2021, 310, 125240.	3.2	9
56	Effects of Elemental Sulfur on the Aging Trajectory and Adhesion Characteristics of Rubber-Modified Bitumen. ACS Sustainable Chemistry and Engineering, 2021, 9, 16918-16925.	3.2	8
57	Selective adsorption of bio-oilsâ€™ molecules onto rubber surface and its effects on stability of rubberized asphalt. Journal of Cleaner Production, 2020, 252, 119856.	4.6	90
58	Effects of Wax-Impregnated Nanozeolites on Bitumenâ€™s Thermomechanical Properties. ACS Sustainable Chemistry and Engineering, 2020, 8, 15299-15309.	3.2	7
59	Improving recycled asphalt using sustainable hybrid rejuvenators with enhanced intercalation into oxidized asphaltenes nanoaggregates. Construction and Building Materials, 2020, 262, 120090.	3.2	39
60	Comparing effects of physisorption and chemisorption of bio-oil onto rubber particles in asphalt. Journal of Cleaner Production, 2020, 273, 123112.	4.6	57
61	Using Fundamental Material Properties to Predict the Moisture Susceptibility of the Asphalt Binder: Polarizability and a Moisture-Induced Shear-Thinning Index. ACS Applied Bio Materials, 2020, 3, 7399-7407.	2.3	13
62	Multifunctional zeolite nanorods as wax carriers and acid scavengers in asphalt binder. Construction and Building Materials, 2020, 264, 120249.	3.2	10
63	A bottom-up approach to study the moisture susceptibility of bio-modified asphalt. Construction and Building Materials, 2020, 265, 120289.	3.2	12
64	Surface Morphology and Chemical Mapping of UV-Aged Thin Films of Bitumen. ACS Sustainable Chemistry and Engineering, 2020, 8, 11764-11771.	3.2	50
65	Developing carbon nanoparticles with tunable morphology and surface chemistry for use in construction. Construction and Building Materials, 2020, 262, 120780.	3.2	13
66	Non-Covalent Ï€-Stacking Interactions between Asphaltene and Porphyrin in Bitumen. Journal of Chemical Information and Modeling, 2020, 60, 4856-4866.	2.5	21
67	Investigation of Balanced Feedstocks of Lipids and Proteins To Synthesize Highly Effective Rejuvenators for Oxidized Asphalt. ACS Sustainable Chemistry and Engineering, 2020, 8, 7656-7667.	3.2	41
68	Investigating molecular-level factors that affect the durability of restored aged asphalt binder. Journal of Cleaner Production, 2020, 270, 122501.	4.6	46
69	Interplay between wax and polyphosphoric acid and its effect on bitumen thermomechanical properties. Construction and Building Materials, 2020, 243, 118194.	3.2	26
70	Investigating the healing capacity of asphalt mixtures containing iron slag. Construction and Building Materials, 2020, 261, 119446.	3.2	14
71	Investigating Change of Polydispersity and Rheology of Crude Oil and Bitumen Due to Asphaltene Oxidation. Energy & Fuels, 2020, 34, 10299-10305.	2.5	39
72	Moisture Damage and Its Relation to Surface Adsorption/Desorption of Rejuvenators. Industrial & Engineering Chemistry Research, 2020, 59, 13414-13419.	1.8	39

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73	Role of Chemical Composition of Recycling Agents in Their Interactions with Oxidized Asphaltene Molecules. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	56
74	Resistance Mechanisms of Biomodified Binders against Ultraviolet Exposure. ACS Sustainable Chemistry and Engineering, 2020, 8, 2390-2398.	3.2	27
75	Application of surface-modified silica nanoparticles with dual silane coupling agents in bitumen for performance enhancement. Construction and Building Materials, 2020, 244, 118324.	3.2	40
76	Silanization Mechanism of Silica Nanoparticles in Bitumen Using 3-Aminopropyl Triethoxysilane (APTES) and 3-Glycidyloxypropyl Trimethoxysilane (GPTMS). ACS Sustainable Chemistry and Engineering, 2020, 8, 3231-3240.	3.2	51
77	Characterizing mechanical response of bio-modified bitumen at sub zero temperatures. Construction and Building Materials, 2020, 240, 117940.	3.2	6
78	Implication of wax on hindering self-healing processes in bitumen. Applied Surface Science, 2020, 523, 146449.	3.1	18
79	Behaviors of asphalt under certain aging levels and effects of rejuvenation. Construction and Building Materials, 2020, 249, 118748.	3.2	46
80	Inherently Functionalized Carbon from Lipid and Protein-Rich Biomass to Reduce Ultraviolet-Induced Damages in Bituminous Materials. ACS Omega, 2020, 5, 25273-25280.	1.6	19
81	Exploiting Synergistic Effects of Intermolecular Interactions To Synthesize Hybrid Rejuvenators To Revitalize Aged Asphalt. ACS Sustainable Chemistry and Engineering, 2019, 7, 15514-15525.	3.2	57
82	Multiscale Evaluation of Moisture Susceptibility of Biomodified Bitumen. ACS Applied Bio Materials, 2019, 2, 5779-5789.	2.3	32
83	Preventing Assembly and Crystallization of Alkane Acids at the Silicaâ€“Bitumen Interface To Enhance Interfacial Resistance to Moisture Damage. Industrial & Engineering Chemistry Research, 2019, 58, 21542-21552.	1.8	43
84	Evolution of Morphological and Nanomechanical Properties of Bitumen Thin Films as a Result of Compositional Changes Due to Ultraviolet Radiation. ACS Sustainable Chemistry and Engineering, 2019, 7, 18005-18014.	3.2	50
85	Multiscale Evaluation of Synergistic and Antagonistic Interactions between Bitumen Modifiers. ACS Sustainable Chemistry and Engineering, 2019, 7, 15568-15577.	3.2	15
86	Combination of alkalinity and porosity enhances formaldehyde adsorption on pig manure -derived composite adsorbents. Microporous and Mesoporous Materials, 2019, 286, 155-162.	2.2	26
87	Reaction pathways for surface activated rubber particles. Resources, Conservation and Recycling, 2019, 149, 292-300.	5.3	52
88	Fused Aromatics To Restore Molecular Packing of Aged Bituminous Materials. Industrial & Engineering Chemistry Research, 2019, 58, 11939-11953.	1.8	31
89	Active Mineral Fillers Arrest Migrations of Alkane Acids to the Interface of Bitumen and Siliceous Surfaces. ACS Sustainable Chemistry and Engineering, 2019, 7, 10340-10348.	3.2	53
90	Underlying Molecular Interactions between Sodium Montmorillonite Clay and Acidic Bitumen. Journal of Physical Chemistry C, 2019, 123, 15513-15522.	1.5	21

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91	Low-Temperature Performance of Toner-Modified Asphalt Binder. Journal of Transportation Engineering Part B: Pavements, 2019, 145, 04019022.	0.8	19
92	Durability of bio-modified recycled asphalt shingles exposed to oxidation aging and extended sub-zero conditioning. Construction and Building Materials, 2019, 208, 543-553.	3.2	23
93	Deagglomeration of oxidized asphaltenes as a measure of true rejuvenation for severely aged asphalt binder. Construction and Building Materials, 2019, 209, 416-424.	3.2	58
94	Surface functionalization of rubber particles to reduce phase separation in rubberized asphalt for sustainable construction. Journal of Cleaner Production, 2019, 225, 82-89.	4.6	84
95	Differential effects of ultraviolet radiation and oxidative aging on bio-modified binders. Fuel, 2019, 251, 45-56.	3.4	63
96	Surface functionalization of silica nanoparticles to enhance aging resistance of asphalt binder. Construction and Building Materials, 2019, 211, 1065-1072.	3.2	72
97	Multiscale Characterization of a Wood-Based Biocrude as a Green Compatibilizing Agent for High-Impact Polystyrene/Halloysite Nanotube Nanocomposites. ACS Omega, 2019, 4, 19934-19943.	1.6	4
98	Moderating Effects of Paraffin Wax on Interactions between Polyphosphoric Acid and Bitumen Constituents. ACS Sustainable Chemistry and Engineering, 2019, 7, 19739-19749.	3.2	19
99	Preferential adsorption of nickel porphyrin to resin to increase asphaltene precipitation. Fuel, 2019, 236, 468-479.	3.4	15
100	Intermolecular interactions of bio-modified halloysite nanotube within high-impact polystyrene and linear low-density polyethylene. Applied Surface Science, 2019, 473, 750-760.	3.1	5
101	Absorption spectroscopy to determine the extent and mechanisms of aging in bitumen and asphaltenes. Fuel, 2019, 242, 408-415.	3.4	98
102	Examining the Implications of Wax-Based Additives on the Sustainability of Construction Practices: Multiscale Characterization of Wax-Doped Aged Asphalt Binder. ACS Sustainable Chemistry and Engineering, 2019, 7, 2943-2954.	3.2	31
103	Bio-modification of rubberised asphalt binder to enhance its performance. International Journal of Pavement Engineering, 2019, 20, 1216-1225.	2.2	31
104	Investigating molecular conformation and packing of oxidized asphaltene molecules in presence of paraffin wax. Fuel, 2018, 220, 503-512.	3.4	36
105	A Novel Bioresidue to Compatibilize Sodium Montmorillonite and Linear Low Density Polyethylene. Industrial & Engineering Chemistry Research, 2018, 57, 1213-1224.	1.8	11
106	Evolution of molecular packing and rheology in asphalt binder during rejuvenation. Fuel, 2018, 222, 457-464.	3.4	55
107	Alteration of Ï€-Electron Distribution To Induce Deagglomeration in Oxidized Polar Aromatics and Asphaltenes in an Aged Asphalt Binder. ACS Sustainable Chemistry and Engineering, 2018, 6, 6554-6569.	3.2	54
108	Evaluation of low temperature viscoelastic properties and fracture behavior of bio-asphalt mixtures. International Journal of Pavement Engineering, 2018, 19, 362-369.	2.2	70

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109	The impact of project-based learning on improving student learning outcomes of sustainability concepts in transportation engineering courses. European Journal of Engineering Education, 2018, 43, 473-488.	1.5	42
110	Comparative life cycle assessment (LCA) of bio-modified binder and conventional asphalt binder. Clean Technologies and Environmental Policy, 2018, 20, 191-200.	2.1	44
111	Investigating bitumen rejuvenation mechanisms using a coupled rheometry-morphology characterization approach. Construction and Building Materials, 2018, 159, 37-45.	3.2	41
112	Characterization of oxidized asphaltenes and the restorative effect of a bio-modifier. Fuel, 2018, 212, 593-604.	3.4	73
113	Investigating bio-rejuvenation mechanisms in asphalt binder via laboratory experiments and molecular dynamics simulation. Construction and Building Materials, 2018, 190, 392-402.	3.2	49
114	Evaluation of the effect of bio-oil on the high-temperature performance of rubber modified asphalt. Construction and Building Materials, 2018, 191, 692-701.	3.2	69
115	Application of a Biomodifier as Fog Sealants to Delay Ultraviolet Aging of Bituminous Materials. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	23
116	Introducing a stress-dependent fractional nonlinear viscoelastic model for modified asphalt binders. Construction and Building Materials, 2018, 183, 102-113.	3.2	19
117	Effect of swine-waste bio-char on the water absorption characteristics of cement pastes. International Journal of Building Pathology and Adaptation, 2018, 36, 283-299.	0.7	3
118	Source dependency of rheological and surface characteristics of bio-modified asphalts. Road Materials and Pavement Design, 2017, 18, 408-424.	2.0	56
119	Multiscale Investigation of a Bioresidue as a Novel Intercalant for Sodium Montmorillonite. Journal of Physical Chemistry C, 2017, 121, 1794-1802.	1.5	22
120	Effects of water exposure on bitumen surface microstructure. Construction and Building Materials, 2017, 135, 682-688.	3.2	94
121	Intermolecular Interactions of Isolated Bio-Oil Compounds and Their Effect on Bitumen Interfaces. ACS Sustainable Chemistry and Engineering, 2017, 5, 7920-7931.	3.2	44
122	Compositional mapping of bitumen using local electrostatic force interactions in atomic force microscopy. Journal of Microscopy, 2017, 265, 196-206.	0.8	29
123	Efficient Air Desulfurization Catalysts Derived from Pig Manure Liquefaction Char. Journal of Carbon Research, 2017, 3, 37.	1.4	5
124	Multi-scale characterization of the effect of wax on intermolecular interactions in asphalt binder. Construction and Building Materials, 2017, 157, 1163-1172.	3.2	35
125	Investigating Effects of Water Conditioning on the Adhesion Properties of Crack Sealant. American Journal of Engineering and Applied Sciences, 2016, 9, 178-186.	0.3	9
126	Multiscale Investigation of Oxidative Aging in Biomodified Asphalt Binder. Journal of Physical Chemistry C, 2016, 120, 17224-17233.	1.5	116

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127	Alteration of intermolecular interactions between units of asphaltene dimers exposed to an amide-enriched modifier. RSC Advances, 2016, 6, 53477-53492.	1.7	36
128	The influence of asphaltene-resin molecular interactions on the colloidal stability of crude oil. Fuel, 2016, 183, 262-271.	3.4	120
129	Fractional Viscoelastic Study of Low-Temperature Characteristics of Biomodified Asphalt Binders. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	32
130	Investigating the effectiveness of liquid rubber as a modifier for asphalt binder. Road Materials and Pavement Design, 2016, 17, 825-840.	2.0	20
131	Investigating molecular interactions and surface morphology of wax-doped asphaltenes. Physical Chemistry Chemical Physics, 2016, 18, 8840-8854.	1.3	62
132	Effect of introduction of furfural on asphalt binder ageing characteristics. Road Materials and Pavement Design, 2016, 17, 638-657.	2.0	19
133	Performance characteristics of high reclaimed asphalt pavement containing bio-modifier. Road Materials and Pavement Design, 2016, 17, 753-767.	2.0	38
134	Physiochemical, Rheological, and Oxidative Aging Characteristics of Asphalt Binder in the Presence of Mesoporous Silica Nanoparticles. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	69
135	Investigating Bio-Char as Flow Modifier and Water Treatment Agent for Sustainable Pavement Design. American Journal of Engineering and Applied Sciences, 2015, 8, 138-146.	0.3	12
136	Investigating Effects of Application of Silica Fume to Reduce Asphalt Oxidative Aging. American Journal of Engineering and Applied Sciences, 2015, 8, 176-184.	0.3	16
137	AFM study of asphalt binder â€œbeeâ€•structures: origin, mechanical fracture, topological evolution, and experimental artifacts. RSC Advances, 2015, 5, 96972-96982.	1.7	80
138	Biomodification of Rubberized Asphalt and Its High Temperature Properties. Transportation Research Record, 2015, 2506, 81-89.	1.0	20
139	Application of a bio-binder as a rejuvenator for wet processed asphalt shingles in pavement construction. Construction and Building Materials, 2015, 86, 75-84.	3.2	57
140	Investigating the Aging Susceptibility of Bio-Modified Asphalts. , 2015, , .		15
141	Physiochemical characterization of synthetic bio-oils produced from bio-mass: a sustainable source for construction bio-adhesives. RSC Advances, 2015, 5, 75519-75527.	1.7	58
142	Molecular asphaltene models based on Clar sextet theory. RSC Advances, 2015, 5, 753-759.	1.7	82
143	Comparing Effects of Biobinder with Other Asphalt Modifiers on Low-Temperature Characteristics of Asphalt. Journal of Materials in Civil Engineering, 2014, 26, 429-439.	1.3	65
144	Aging Influence on Rheology Properties of Petroleum-Based Asphalt Modified with Biobinder. Journal of Materials in Civil Engineering, 2014, 26, 358-366.	1.3	126

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145	Synthesis and Characterization of Biomodified Rubber Asphalt: Sustainable Waste Management Solution for Scrap Tire and Swine Manure. Journal of Environmental Engineering, ASCE, 2013, 139, 1454-1461.	0.7	62
146	Low-Temperature Performance Characterization of Biomodified Asphalt Mixtures that Contain Reclaimed Asphalt Pavement. Transportation Research Record, 2013, 2371, 49-57.	1.0	62
147	Effect of Pavement Type on Overlay Roughness Progression. Journal of Transportation Engineering, 2012, 138, 1558-1562.	0.9	2
148	Empirical Analysis of Effect of Project-Based Learning on Student Learning in Transportation Engineering. Transportation Research Record, 2012, 2285, 167-172.	1.0	7
149	Partial replacement of asphalt binder with bio-binder: characterisation and modification. International Journal of Pavement Engineering, 2012, 13, 515-522.	2.2	135
150	Evaluation of Low-Temperature Binder Properties of Warm-Mix Asphalt, Extracted and Recovered RAP and RAS, and Bioasphalt. Journal of Materials in Civil Engineering, 2011, 23, 1569-1574.	1.3	142
151	Effect of Disruptions on Service Quality and Market Share. Transportation Research Record, 2011, 2214, 34-40.	1.0	6
152	Investigating the effect of productivity, quality, and safety on profitability in the US airline industry. International Journal of Logistics Systems and Management, 2011, 10, 70.	0.2	5
153	Development of a Pressurized Blister Test for Interface Characterization of Aggregate Highly Polymerized Bituminous Materials. Journal of Materials in Civil Engineering, 2011, 23, 656-663.	1.3	30
154	Chemical Characterization of Biobinder from Swine Manure: Sustainable Modifier for Asphalt Binder. Journal of Materials in Civil Engineering, 2011, 23, 1506-1513.	1.3	274
155	Phenolic Compounds in the Built Environment. Biochemistry, 0, , .	0.8	1
156	Investigating the effect of ultraviolet aging on the healing capacity of bitumen containing taconite tailings. Road Materials and Pavement Design, 0, , 1-12.	2.0	1
157	Biochar effects on the performance of conventional and rubberized HMA. Road Materials and Pavement Design, 0, , 1-17.	2.0	2