

Jianying Yu

List of Publications by Year in descending order

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36
papers

1,161
citations

471061

17
h-index

395343

33
g-index

36
all docs

36
docs citations

36
times ranked

757
citing authors

#	ARTICLE	IF	CITATIONS
1	The research for high-performance SBR compound modified asphalt. <i>Construction and Building Materials</i> , 2010, 24, 410-418.	3.2	168
2	Effect of montmorillonite on properties of styrene-butadiene-styrene copolymer modified bitumen. <i>Polymer Engineering and Science</i> , 2007, 47, 1289-1295.	1.5	123
3	Laboratory investigation of the properties of asphalt modified with epoxy resin. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3557-3563.	1.3	104
4	Preparation and application of microcapsules containing toluene-di-isocyanate for self-healing of concrete. <i>Construction and Building Materials</i> , 2019, 202, 762-769.	3.2	74
5	Investigation of the properties of epoxy resin-modified asphalt mixtures for application to orthotropic bridge decks. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2310-2316.	1.3	68
6	Effect of ion chelating agent on self-healing performance of Cement-based materials. <i>Construction and Building Materials</i> , 2018, 190, 308-316.	3.2	53
7	Preparation and characterization of active rejuvenated SBS modified bitumen for the sustainable development of high-grade asphalt pavement. <i>Journal of Cleaner Production</i> , 2020, 273, 123012.	4.6	42
8	Investigation of self healing behaviour of asphalt mixes using beam on elastic foundation setup. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 777-791.	1.3	41
9	Investigation of Molecular Structure and Thermal Properties of Thermo-Oxidative Aged SBS in Blends and Their Relations. <i>Materials</i> , 2017, 10, 768.	1.3	41
10	Effect of different rejuvenators on the rheological properties of aged SBS modified bitumen in long term aging. <i>Construction and Building Materials</i> , 2019, 215, 709-717.	3.2	41
11	Study on all-components regeneration of ultraviolet aged SBS modified asphalt for high-performance recycling. <i>Journal of Cleaner Production</i> , 2020, 276, 123376.	4.6	41
12	Preparation and characterization of nano-SiO ₂ /paraffin/PE wax composite shell microcapsules containing TDI for self-healing of cementitious materials. <i>Construction and Building Materials</i> , 2020, 231, 117060.	3.2	39
13	Effect of reactive rejuvenating system on physical properties and rheological characteristics of aged SBS modified bitumen. <i>Construction and Building Materials</i> , 2018, 176, 35-42.	3.2	34
14	Effect of temperatures on self-healing capabilities of concrete with different shell composition microcapsules containing toluene-di-isocyanate. <i>Construction and Building Materials</i> , 2020, 247, 118575.	3.2	31
15	Curing behavior of epoxy asphalt. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009, 24, 462-465.	0.4	25
16	Laboratory evaluation of the effect of rejuvenators on the interface performance of rejuvenated SBS modified bitumen mixture by surface free energy method. <i>Construction and Building Materials</i> , 2021, 271, 121866.	3.2	18
17	Investigation of ion chelator and mineral admixtures improving salt-frost resistance of cement-based materials. <i>Construction and Building Materials</i> , 2019, 227, 116670.	3.2	17
18	Influence of heat and ultraviolet aging on the structure and properties of high dosage SBS modified bitumen for waterproof. <i>Construction and Building Materials</i> , 2021, 287, 122986.	3.2	17

#	ARTICLE	IF	CITATIONS
19	Effect of ion chelator on hydration process of Portland cement. <i>Construction and Building Materials</i> , 2020, 259, 119727.	3.2	16
20	Effects of core-shell acrylate particles on impact properties of chlorinated polyethylene/polyvinyl chloride blends. <i>Polymer Engineering and Science</i> , 2010, 50, 295-301.	1.5	15
21	A new approach for evaluating rejuvenator diffusing into aged bitumen. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 43-46.	0.4	15
22	Influence of external environment on self-repairing ability of the cement-based materials containing paraffin/toluene-di-isocyanate microcapsules. <i>Construction and Building Materials</i> , 2021, 281, 122584.	3.2	15
23	Evaluation of viscosity-temperature characteristics and rheological properties of rejuvenated SBS modified bitumen with active warm additive. <i>Construction and Building Materials</i> , 2020, 236, 117548.	3.2	14
24	Effect of ion chelator on pore structure, mechanical property and self-healing capability of seawater exposed mortar. <i>Construction and Building Materials</i> , 2020, 246, 118480.	3.2	14
25	Effects of Reactive Chain Extension Rejuvenation Systems on the Viscosity-Temperature Characteristics, Rheological Properties, and Morphology of Aged Styrene-Butadiene-Styrene-Modified Bitumen. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16474-16484.	3.2	14
26	Preparation of reactive chain extension rejuvenators and its application in the aged SBS modified bitumen sustainable recycling. <i>Journal of Cleaner Production</i> , 2021, 314, 127954.	4.6	13
27	A Study on Photo-thermal Coupled Aging Kinetics of Bitumen. <i>Journal of Testing and Evaluation</i> , 2012, 40, 20120065.	0.4	10
28	Investigation of migration and self-healing ability of ion chelator in cement-based materials by a novel method. <i>Construction and Building Materials</i> , 2020, 262, 120917.	3.2	9
29	Effect of ion chelator on microstructure and properties of cement-based materials under sulfate dry-wet cycle attack. <i>Construction and Building Materials</i> , 2020, 257, 119527.	3.2	9
30	Influence of novel long-chain active composite rejuvenators on interfacial adhesion between aged SBS modified asphalt and aggregate. <i>Construction and Building Materials</i> , 2022, 328, 127108.	3.2	9
31	Effect of chemical compositions on temperature susceptibility of bitumens. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 669-673.	0.4	8
32	Synergistic effect of ion chelating agent and inorganic compound on pore structure, mechanical and self-healing performance of cement-based materials. <i>Smart Materials and Structures</i> , 2021, 30, 015011.	1.8	8
33	Effect of organophilic montmorillonite on thermal-oxidative aging behavior of SBS modified bitumen crack filling material. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009, 24, 673-676.	0.4	6
34	A Study on the Aging Kinetics of PPA Modified Asphalt. <i>Petroleum Science and Technology</i> , 2010, 28, 1338-1344.	0.7	6
35	Influence of ion chelator on pore structure, water transport and crack-healing properties of cement pastes incorporating high-volume fly ash and blast-furnace slag. <i>Journal of Building Engineering</i> , 2022, 55, 104696.	1.6	3
36	Research on the rheological characteristics of layered nano-montmorillonite modified asphalt binder. , 2010, , .		0