

Jianying Yu

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,161
citations

471509

17
h-index

395702

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. Construction and Building Materials, 2010, 24, 410-418.	7.2	168
2	Effect of montmorillonite on properties of styrene-butadiene-styrene copolymer modified bitumen. Polymer Engineering and Science, 2007, 47, 1289-1295.	3.1	123
3	Laboratory investigation of the properties of asphalt modified with epoxy resin. Journal of Applied Polymer Science, 2009, 113, 3557-3563.	2.6	104
4	Preparation and application of microcapsules containing toluene-di-isocyanate for self-healing of concrete. Construction and Building Materials, 2019, 202, 762-769.	7.2	74
5	Investigation of the properties of epoxy resin-modified asphalt mixtures for application to orthotropic bridge decks. Journal of Applied Polymer Science, 2011, 121, 2310-2316.	2.6	68
6	Effect of ion chelating agent on self-healing performance of Cement-based materials. Construction and Building Materials, 2018, 190, 308-316.	7.2	53
7	Preparation and characterization of active rejuvenated SBS modified bitumen for the sustainable development of high-grade asphalt pavement. Journal of Cleaner Production, 2020, 273, 123012.	9.3	42
8	Investigation of self healing behaviour of asphalt mixes using beam on elastic foundation setup. Materials and Structures/Materiaux Et Constructions, 2012, 45, 777-791.	3.1	41
9	Investigation of Molecular Structure and Thermal Properties of Thermo-Oxidative Aged SBS in Blends and Their Relations. Materials, 2017, 10, 768.	2.9	41
10	Effect of different rejuvenators on the rheological properties of aged SBS modified bitumen in long term aging. Construction and Building Materials, 2019, 215, 709-717.	7.2	41
11	Study on all-components regeneration of ultraviolet aged SBS modified asphalt for high-performance recycling. Journal of Cleaner Production, 2020, 276, 123376.	9.3	41
12	Preparation and characterization of nano-SiO ₂ /paraffin/PE wax composite shell microcapsules containing TDI for self-healing of cementitious materials. Construction and Building Materials, 2020, 231, 117060.	7.2	39
13	Effect of reactive rejuvenating system on physical properties and rheological characteristics of aged SBS modified bitumen. Construction and Building Materials, 2018, 176, 35-42.	7.2	34
14	Effect of temperatures on self-healing capabilities of concrete with different shell composition microcapsules containing toluene-di-isocyanate. Construction and Building Materials, 2020, 247, 118575.	7.2	31
15	Curing behavior of epoxy asphalt. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 462-465.	1.0	25
16	Laboratory evaluation of the effect of rejuvenators on the interface performance of rejuvenated SBS modified bitumen mixture by surface free energy method. Construction and Building Materials, 2021, 271, 121866.	7.2	18
17	Investigation of ion chelator and mineral admixtures improving salt-frost resistance of cement-based materials. Construction and Building Materials, 2019, 227, 116670.	7.2	17
18	Influence of heat and ultraviolet aging on the structure and properties of high dosage SBS modified bitumen for waterproof. Construction and Building Materials, 2021, 287, 122986.	7.2	17

#	ARTICLE	IF	CITATIONS
19	Effect of ion chelator on hydration process of Portland cement. Construction and Building Materials, 2020, 259, 119727.	7.2	16
20	Effects of core-shell acrylate particles on impact properties of chlorinated polyethylene/polyvinyl chloride blends. Polymer Engineering and Science, 2010, 50, 295-301.	3.1	15
21	A new approach for evaluating rejuvenator diffusing into aged bitumen. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 43-46.	1.0	15
22	Influence of external environment on self-repairing ability of the cement-based materials containing paraffin/toluene-di-isocyanate microcapsules. Construction and Building Materials, 2021, 281, 122584.	7.2	15
23	Evaluation of viscosity-temperature characteristics and rheological properties of rejuvenated SBS modified bitumen with active warm additive. Construction and Building Materials, 2020, 236, 117548.	7.2	14
24	Effect of ion chelator on pore structure, mechanical property and self-healing capability of seawater exposed mortar. Construction and Building Materials, 2020, 246, 118480.	7.2	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. ACS Sustainable Chemistry and Engineering, 2021, 9, 16474-16484.	6.7	14
26	Preparation of reactive chain extension rejuvenators and its application in the aged SBS modified bitumen sustainable recycling. Journal of Cleaner Production, 2021, 314, 127954.	9.3	13
27	A Study on Photo-thermal Coupled Aging Kinetics of Bitumen. Journal of Testing and Evaluation, 2012, 40, 20120065.	0.7	10
28	Investigation of migration and self-healing ability of ion chelator in cement-based materials by a novel method. Construction and Building Materials, 2020, 262, 120917.	7.2	9
29	Effect of ion chelator on microstructure and properties of cement-based materials under sulfate dry-wet cycle attack. Construction and Building Materials, 2020, 257, 119527.	7.2	9
30	Influence of novel long-chain active composite rejuvenators on interfacial adhesion between aged SBS modified asphalt and aggregate. Construction and Building Materials, 2022, 328, 127108.	7.2	9
31	Effect of chemical compositions on temperature susceptibility of bitumens. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 669-673.	1.0	8
32	Synergistic effect of ion chelating agent and inorganic compound on pore structure, mechanical and self-healing performance of cement-based materials. Smart Materials and Structures, 2021, 30, 015011.	3.5	8
33	Effect of organophilic montmorillonite on thermal-oxidative aging behavior of SBS modified bitumen crack filling material. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 673-676.	1.0	6
34	A Study on the Aging Kinetics of PPA Modified Asphalt. Petroleum Science and Technology, 2010, 28, 1338-1344.	1.5	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. Journal of Building Engineering, 2022, 55, 104696.	3.4	3
36	Research on the rheological characteristics of layered nano-montmorillonite modified asphalt binder., 2010, , .		0