

Xiao Liu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

620
citations

758635

12
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

489
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, structure, and properties of solution-polymerized styrene-butadiene rubber with functionalized end-groups and its silica-filled composites. <i>Polymer</i> , 2014, 55, 1964-1976.	1.8	140
2	Synthesis, characterization and performance of a polycarboxylate superplasticizer with amide structure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 448, 119-129.	2.3	91
3	Performances and working mechanism of a novel polycarboxylate superplasticizer synthesized through changing molecular topological structure. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 12-24.	5.0	70
4	Synthesis, characterization and working mechanism of a novel polycarboxylate superplasticizer for concrete possessing reduced viscosity. <i>Construction and Building Materials</i> , 2018, 169, 452-461.	3.2	65
5	Stimuli-responsive adsorption behavior toward heavy metal ions based on comb polymer functionalized magnetic nanoparticles. <i>Journal of Cleaner Production</i> , 2020, 253, 119915.	4.6	56
6	Novel designs of polycarboxylate superplasticizers for improving resistance in clay-contaminated concrete. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 55, 80-90.	2.9	38
7	Measurement of the condensation temperature of nanosilica powder organically modified by a silane coupling agent and its effect evaluation. <i>Journal of Applied Polymer Science</i> , 2008, 108, 3038-3045.	1.3	32
8	Preparation, Characterization and Performances of Powdered Polycarboxylate Superplasticizer with Bulk Polymerization. <i>Materials</i> , 2014, 7, 6169-6183.	1.3	29
9	Study on structure and properties of SSBR/SiO ₂ coagulated rubber and SSBR filled with nanosilica composites. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3900-3907.	1.3	22
10	Structure and properties of star-shaped solution-polymerized styrene-butadiene rubber and its coagulated rubber filled with silica/carbon black: morphological structure and mechanical properties. <i>Polymers for Advanced Technologies</i> , 2009, 20, 818-825.	1.6	19
11	Effect of sulfonation modification of polycarboxylate superplasticizer on tolerance enhancement in sulfate. <i>Construction and Building Materials</i> , 2021, 273, 122095.	3.2	19
12	Technical optimization and life cycle assessment of environment-friendly superplasticizer for concrete engineering. <i>Chemosphere</i> , 2021, 281, 130955.	4.2	17
13	Dynamic properties of star-shaped, solution-polymerized styrene-butadiene rubber and its coagulated rubber-filled with silica/carbon black. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	6
14	Hydration Characteristics and Humidity Control Performance of Calcium Silicate Board Prepared from Mine Tailing and Diatomite. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 147-154.	0.4	5
15	The Study on the Properties and TCLP of GGBFS-Based Heavy-Metal-Contaminated Soil Geopolymer. <i>Crystals</i> , 2022, 12, 900.	1.0	5
16	A novel method for solving the impact of clay on concrete workability: dimensional design and mechanism analysis. <i>Clay Minerals</i> , 2020, 55, 53-62.	0.2	3
17	Polymer for Internal Hydrophobization of Cement-Based Materials: Design, Synthesis, and Properties. <i>Polymers</i> , 2021, 13, 3069.	2.0	2
18	Synthesis, Characterization and Performance of Superplasticizer with a Multi-Arm Structure. <i>Materials Science Forum</i> , 0, 815, 594-600.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Energy Saving Preparation and Evaluation of a Novel Polycarboxylate Superplasticizer. Materials Science Forum, 0, 1035, 1006-1012.	0.3	0