

# Xiao Liu

## List of Publications by Year in descending order

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