

Guangyu An

List of Publications by Year in descending order

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15
papers

429
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840776

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#	ARTICLE	IF	CITATIONS
1	Decomposition of Al ₁₃ promoted by salicylic acid under acidic condition: Mechanism study by differential mass spectrometry method and DFT calculation. <i>Journal of Environmental Sciences</i> , 2023, 126, 423-433.	6.1	3
2	Molecular investigation on changing behaviors of natural organic matter by coagulation with non-targeting screen using high-resolution mass spectrometry. <i>Journal of Hazardous Materials</i> , 2022, 424, 127408.	12.4	19
3	Design and coagulation mechanism of a new functional composite coagulant in removing humic acid. <i>Separation and Purification Technology</i> , 2022, 292, 121016.	7.9	12
4	Design and application of metal-organic frameworks and derivatives as heterogeneous Fenton-like catalysts for organic wastewater treatment: A review. <i>Environment International</i> , 2021, 146, 106273.	10.0	117
5	Influence of particle size on the aggregation behavior of nanoparticles: Role of structural hydration layer. <i>Journal of Environmental Sciences</i> , 2021, 103, 33-42.	6.1	34
6	Pre-aggregation of Al ₁₃ in optimizing coagulation for removal of humic acid. <i>Chemosphere</i> , 2021, 277, 130268.	8.2	27
7	Deprotonation and aggregation of Al ₁₃ under alkaline titration: A simulating study related to coagulation process. <i>Water Research</i> , 2021, 203, 117562.	11.3	19
8	Formation of Al ₃₀ aggregates and its correlation to the coagulation effect. <i>Chemosphere</i> , 2021, 278, 130493.	8.2	9
9	Advances in micro interfacial phenomena of adsorptive micellar flocculation: Principles and application for water treatment. <i>Water Research</i> , 2021, 202, 117414.	11.3	26
10	Enhanced coagulation for mitigation of disinfection by-product precursors: A review. <i>Advances in Colloid and Interface Science</i> , 2021, 296, 102518.	14.7	27
11	Removal of disinfection by-product precursors by Al-based coagulants: A comparative study on coagulation performance. <i>Journal of Hazardous Materials</i> , 2021, 420, 126558.	12.4	27
12	Crystallization of aluminum polycation sulfates: transformation of tetrahedral crystals into block crystals in aqueous solutions. <i>CrystEngComm</i> , 2019, 21, 202-206.	2.6	2
13	Optimized coagulation pathway of Al ₁₃ : Effect of in-situ Aggregation of Al ₁₃ . <i>Chemosphere</i> , 2019, 230, 76-83.	8.2	24
14	The influence of particle size and concentration combined with pH on coagulation mechanisms. <i>Journal of Environmental Sciences</i> , 2019, 82, 39-46.	6.1	70
15	Efficient purification of Al ₃₀ by organic complexation method. <i>Journal of Environmental Sciences</i> , 2019, 80, 240-247.	6.1	11