

Hao Sun

List of Publications by Year in descending order

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papers

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citations

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#	ARTICLE	IF	CITATIONS
1	Novel polyether-polyquaternium copolymer as an effective reverse demulsifier for O/W emulsions: Demulsification performance and mechanism. <i>Fuel</i> , 2020, 263, 116770.	6.4	63
2	Multifunctional AIE-ESIPT dual mechanism tetraphenylethene-based Schiff base for inkless rewritable paper and a colorimetric/fluorescent dual-channel Zn ²⁺ sensor. <i>Materials Chemistry Frontiers</i> , 2021, 5, 347-354.	5.9	43
3	A new tetraphenylethene-based Schiff base: two crystalline polymorphs exhibiting totally different photochromic and fluorescence properties. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7053-7060.	5.5	41
4	Charging mechanism analysis of macerals during triboelectrostatic enrichment process: Insights from relative dielectric constant, specific resistivity and X-ray diffraction. <i>Fuel</i> , 2018, 225, 533-541.	6.4	25
5	A novel 1,8-naphthalimide-based Cu ²⁺ ion fluorescent probe and its bioimaging application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120037.	3.9	22
6	Tribocharging of macerals with various materials: Role of surface oxygen-containing groups and potential difference of macerals. <i>Fuel</i> , 2018, 233, 759-768.	6.4	21
7	An efficient hemicyanine dyes-based ratiometric fluorescence probe for sulfur dioxide derivatives in live-cells and seawater. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119128.	3.9	20
8	Synergetic adsorption of asphaltenes and oil displacement surfactants on the oil-water interface: Insights on stabilization mechanism of the interfacial film. <i>Chemical Engineering Science</i> , 2021, 245, 116850.	3.8	17
9	A highly sensitive, fast responsive and reversible naphthalimide-based fluorescent probe for hypochlorous acid and ascorbic acid in aqueous solution and living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119138.	3.9	16
10	Effect of inorganic salt ions on the adsorption of quinoline using coal powder. <i>Water Science and Technology</i> , 2018, 78, 496-505.	2.5	15
11	Enhanced trifluoroacetate removal from groundwater by quaternary nitrogen-grafted granular activated carbon. <i>Science of the Total Environment</i> , 2019, 660, 577-585.	8.0	15
12	An o-hydroxyl aldehyde structure based naphthalimide derivative: Reversible photochromic properties and its application in ClO ⁻ detection in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 219, 154-163.	3.9	14
13	Predictions of triboelectrostatic separation of minerals in low-rank coal based on surface charging characteristics in relation to their structures. <i>Fuel</i> , 2020, 264, 116824.	6.4	14
14	Organic pollution removal from coke plant wastewater using coking coal. <i>Water Science and Technology</i> , 2015, 72, 158-163.	2.5	11
15	Effective removal of perfluorooctanoate from groundwater using quaternary nitrogen-grafted granular activated carbon. <i>Journal of Water Process Engineering</i> , 2020, 37, 101416.	5.6	11
16	Effect of Oil-Displacing Agent Composition on Oil/Water Interface Stability of the Asphaltene-Rich ASP Flooding-Produced Water. <i>Langmuir</i> , 2022, 38, 3329-3338.	3.5	11
17	Demulsification of O/W emulsion using a novel polyether-polyquaternium copolymer: effect of the demulsifier structure and solution environment conditions. <i>Separation Science and Technology</i> , 2021, 56, 811-820.	2.5	6
18	Nitric acid-anionic surfactant modified activated carbon to enhance cadmium(II) removal from wastewater: preparation conditions and physicochemical properties. <i>Water Science and Technology</i> , 2018, 78, 1489-1498.	2.5	5

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19	Recyclable polyetherâ€“polyquaternium grafted SiO ₂ microsphere for efficient treatment of ASP flooding-produced water: oil adsorption characteristics and mechanism. RSC Advances, 2020, 10, 15124-15131.	3.6	3
20	Enrichment Characteristics of Macerals during Triboelectrostatic Separation in the View of Surface Microstructure, Pore distribution, and Typical Electrical Parameters. ACS Omega, 2021, 6, 18509-18517.	3.5	2
21	Enhanced removal of scaling cations from oilfield produced water by carrier mineral floatation. Water Science and Technology, 2021, 84, 3629-3640.	2.5	2
22	Crystal structure of tris(cyano-(hydrogen tris(3,5-dimethylpyrazolyl)borate))-iron(III) 4-methoxypyridinium monohydrate, C ₂₄ H ₃₂ BN ₁₀ O ₂ Fe. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 885-887.	0.3	0