

Zhijie Shu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

635
citations

567281

15
h-index

580821

25
g-index

26
all docs

26
docs citations

26
times ranked

839
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous oxidative desulfurization of diesel fuel catalyzed by mesoporous polyoxometallate-based polymeric hybrid. <i>Journal of Hazardous Materials</i> , 2017, 333, 63-72.	12.4	88
2	Efficient Demulsification of Diesel-in-Water Emulsions by Different Structural Dendrimer-Based Demulsifiers. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1748-1759.	3.7	69
3	Superbase/Acylamido-Based Deep Eutectic Solvents for Multiple-Site Efficient CO ₂ Absorption. <i>Energy & Fuels</i> , 2019, 33, 7569-7577.	5.1	51
4	Deep eutectic solvent as novel additive for PES membrane with improved performance. <i>Separation and Purification Technology</i> , 2018, 194, 239-248.	7.9	49
5	Robust and Durable Superhydrophobic Polyurethane Sponge for Oil/Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 11260-11268.	3.7	44
6	Biodiesel Production via Transesterification of Soybean Oil Catalyzed by Superhydrophobic Porous Poly(ionic liquid) Solid Base. <i>Energy & Fuels</i> , 2017, 31, 5203-5214.	5.1	38
7	Molecular Mechanisms of Suppressing Asphaltene Aggregation and Flocculation by Dodecylbenzenesulfonic Acid Probed by Molecular Dynamics Simulations. <i>Energy & Fuels</i> , 2019, 33, 5067-5080.	5.1	34
8	A Novel Supported Liquid Membrane Based on Binary Metal Chloride Deep Eutectic Solvents for Ethylene/Ethane Separation. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 15153-15162.	3.7	32
9	Isobaric Vapor-Liquid Equilibria for the Binary Mixtures Composed of Ethylene Glycol, 1,2-Propylene Glycol, 1,2-Butanediol, and 1,3-Butanediol at 10.00 kPa. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1308-1315.	1.9	27
10	Morphology-Controlled Synthesis of Three-Dimensional Hierarchical Flowerlike Mg-Al Layered Double Hydroxides with Enhanced Catalytic Activity for Transesterification. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 7937-7947.	3.7	25
11	Effect of $T_{ween\ 80}$ on morphology and performance of poly(L-lactic acid) ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	18
12	Ether-Linked Diamine Carboxylate Ionic Liquid Aqueous Solution for Efficient Absorption of SO ₂ . <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 16786-16794.	3.7	18
13	In-situ synthesis of microflower composed of N-doped carbon films and Mo ₂ C coupled with Ni or FeNi alloy for water splitting. <i>Chemical Engineering Journal</i> , 2022, 427, 131712.	12.7	18
14	Porous Hybrid Nanoflower Self-Assembled from Polyoxometalate and Polyionene for Efficient Oxidative Desulfurization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3618-3629.	3.7	17
15	Synthesis of Three-Dimensional Hierarchical Flower-Like Mg-Al Layered Double Hydroxides with Excellent Adsorption Performance for Organic Anionic Dyes. <i>Transactions of Tianjin University</i> , 2021, 27, 394-408.	6.4	17
16	Highly Efficient and Reversible Absorption of SO ₂ from Flue Gas Using Diamino Polycarboxylate Protic Ionic Liquid Aqueous Solutions. <i>Energy & Fuels</i> , 2019, 33, 8937-8945.	5.1	16
17	Improvement in antifouling and separation performance of PVDF hybrid membrane by incorporation of room-temperature ionic liquids grafted halloysite nanotubes for oil-water separation. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46278.	2.6	14
18	Synthesis of RGO-Supported Molybdenum Carbide (Mo ₂ C-RGO) for Hydrogen Evolution Reaction under the Function of Poly(ionic liquid). <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8996-9005.	3.7	9

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19	Enhancing antifouling performance of poly(L-lactide) membranes by TiO ₂ nanoparticles. Journal of Applied Polymer Science, 2016, 133, .	2.6	8
20	Preparation of poly(L-lactic acid) membrane from solvent mixture via immersion precipitation. Separation Science and Technology, 2016, 51, 2940-2947.	2.5	8
21	Hierarchical Nitrogen-doped Mo ₂ C Nanoparticle-modified microflower Electrocatalyst: in Situ Synthesis and Efficient Hydrogen-evolving Performance in Alkaline and Acidic Media. ChemCatChem, 2020, 12, 6040-6049.	3.7	8
22	Study of Turbulence Promoters in Prolonging Membrane Life. Membranes, 2021, 11, 268.	3.0	8
23	Improvement of antifouling performance of poly(L-lactic acid) membranes through incorporating polyaniline nanoparticles. Journal of Applied Polymer Science, 2017, 134, .	2.6	6
24	Asphaltene Aggregation and Assembly Behaviors in Organic Solvents with Water and Inhibitor. Energy & Fuels, 2019, 33, 1955-1968.	5.1	6
25	Numerical Study on Heat Transfer and Flow Characteristics for Laminar Flow in a Circular Tube with Swirl Generators. Transactions of Tianjin University, 2018, 24, 244-255.	6.4	4
26	Deep Eutectic Solvent Membranes Designed by the Same-Anion Strategy for Highly Efficient Ethylene/Ethane Separation. ACS Sustainable Chemistry and Engineering, 2022, 10, 4002-4012.	6.7	3