Zhijie Shu

List of Publications by Year
in descending order

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26	635	567281 15	580821 25
papers	citations	h-index	g-index

26	26	26	839
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-situ synthesis of microflower composed of N-doped carbon films and Mo2C coupled with Ni or FeNi alloy for water splitting. Chemical Engineering Journal, 2022, 427, 131712.	12.7	18
2	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
3	Synthesis of Three-Dimensional Hierarchical Flower-Like Mgâ€“Al Layered Double Hydroxides with Excellent Adsorption Performance for Organic Anionic Dyes. Transactions of Tianjin University, 2021, 27, 394-408.	6.4	17
4	Study of Turbulence Promoters in Prolonging Membrane Life. Membranes, 2021, 11, 268.	3.0	8
5	Ether-Linked Diamine Carboxylate Ionic Liquid Aqueous Solution for Efficient Absorption of SO₂. Industrial & Engineering Chemistry Research, 2020, 59, 16786-16794.	3.7	18
6	Hierarchical Nitrogenâ€doped Mo 2 C Nanoparticleâ€inâ€microflower Electrocatalyst: in Situ Synthesis and Efficient Hydrogenâ€evolving Performance in Alkaline and Acidic Media. ChemCatChem, 2020, 12, 6040-6049.	3.7	8
7	Highly Efficient and Reversible Absorption of SO₂ from Flue Gas Using Diamino Polycarboxylate Protic Ionic Liquid Aqueous Solutions. Energy & Fuels, 2019, 33, 8937-8945.	5.1	16
8	Superbase/Acylamido-Based Deep Eutectic Solvents for Multiple-Site Efficient CO₂ Absorption. Energy & Fuels, 2019, 33, 7569-7577.	5.1	51
9	Molecular Mechanisms of Suppressing Asphaltene Aggregation and Flocculation by Dodecylbenzenesulfonic Acid Probed by Molecular Dynamics Simulations. Energy & Fuels, 2019, 33, 5067-5080.	5.1	34
10	Synthesis of RGO-Supported Molybdenum Carbide (Mo2C-RGO) for Hydrogen Evolution Reaction under the Function of Poly(Ionic Liquid). Industrial & Engineering Chemistry Research, 2019, 58, 8996-9005.	3.7	9
11	Morphology-Controlled Synthesis of Three-Dimensional Hierarchical Flowerlike Mgâ€“Al Layered Double Hydroxides with Enhanced Catalytic Activity for Transesterification. Industrial & Engineering Chemistry Research, 2019, 58, 7937-7947.	3.7	25
12	Asphaltene Aggregation and Assembly Behaviors in Organic Solvents with Water and Inhibitor. Energy & Fuels, 2019, 33, 1955-1968.	5.1	6
13	Porous Hybrid Nanoflower Self-Assembled from Polyoxometalate and Polyionene for Efficient Oxidative Desulfurization. Industrial & Engineering Chemistry Research, 2019, 58, 3618-3629.	3.7	17
14	Improvement in antifouling and separation performance of PVDF hybrid membrane by incorporation of roomâ€temperature ionic liquids grafted halloysite nanotubes for oilâ€“water separation. Journal of Applied Polymer Science, 2018, 135, 46278.	2.6	14
15	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
16	Deep eutectic solvent as novel additive for PES membrane with improved performance. Separation and Purification Technology, 2018, 194, 239-248.	7.9	49
17	Biodiesel Production via Transesterification of Soybean Oil Catalyzed by Superhydrophobic Porous Poly(ionic liquid) Solid Base. Energy & Fuels, 2017, 31, 5203-5214.	5.1	38
18	Heterogeneous oxidative desulfurization of diesel fuel catalyzed by mesoporous polyoxometallate-based polymeric hybrid. Journal of Hazardous Materials, 2017, 333, 63-72.	12.4	88

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19	A Novel Supported Liquid Membrane Based on Binary Metal Chloride Deep Eutectic Solvents for Ethylene/Ethane Separation. Industrial & Engineering Chemistry Research, 2017, 56, 15153-15162.	3.7	32
20	Effect of <scp>T</scp>ween 80 on morphology and performance of poly(<scp>L</scp>â€lactic acid) ultrafiltration membranes. Journal of Applied Polymer Science, 2017, 134, .	2.6	18
21	Improvement of antifouling performance of poly(<scp>l</scp>â€lactic acid) membranes through incorporating polyaniline nanoparticles. Journal of Applied Polymer Science, 2017, 134, .	2.6	6
22	Enhancing antifouling performance of poly(<scp>l</scp>â€lactide) membranes by <scp>T</scp>i<scp>O</scp>₂ nanoparticles. Journal of Applied Polymer Science, 2016, 133, .	2.6	8
23	Robust and Durable Superhydrophobic Polyurethane Sponge for Oil/Water Separation. Industrial & Engineering Chemistry Research, 2016, 55, 11260-11268.	3.7	44
24	Preparation of poly(L-lactic acid) membrane from solvent mixture via immersion precipitation. Separation Science and Technology, 2016, 51, 2940-2947.	2.5	8
25	Efficient Demulsification of Diesel-in-Water Emulsions by Different Structural Dendrimer-Based Demulsifiers. Industrial & Engineering Chemistry Research, 2016, 55, 1748-1759.	3.7	69
26	Isobaric Vaporâ€“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. Journal of Chemical & Engineering Data, 2013, 58, 1308-1315.	1.9	27