

Shaoqu Xie

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

992
citations

331538

21
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454834

30
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37
all docs

37
docs citations

37
times ranked

768
citing authors

#	ARTICLE	IF	CITATIONS
1	One-pot reaction-separation process to produce jet fuel. <i>Energy Conversion and Management: X</i> , 2022, 13, 100155.	0.9	2
2	Cleaner production and downstream processing of bio-based 2,3-butanediol: A review. <i>Journal of Cleaner Production</i> , 2022, 343, 131033.	4.6	20
3	Recent advances on bio-based isobutanol separation. <i>Energy Conversion and Management: X</i> , 2021, 10, 100059.	0.9	14
4	A review of salting-out effect and sugaring-out effect: driving forces for novel liquid-liquid extraction of biofuels and biochemicals. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 854-871.	2.3	36
5	Assessment of extraction options for a next-generation biofuel: Recovery of bio-isobutanol from aqueous solutions. <i>Engineering in Life Sciences</i> , 2021, 21, 653-665.	2.0	12
6	Deconstruction of high-density polyethylene into liquid hydrocarbon fuels and lubricants by hydrogenolysis over Ru catalyst. <i>Chem Catalysis</i> , 2021, 1, 437-455.	2.9	101
7	Synergistic interaction between Cu and ZrO ₂ promotes ethyl formate hydrogenation to produce methanol. <i>Catalysis Today</i> , 2021, 374, 53-60.	2.2	6
8	One-pot production of jet fuels from fatty acids and vegetable oils in biphasic tandem catalytic process. <i>Fuel</i> , 2021, 302, 121060.	3.4	14
9	Beyond biodegradation: Chemical upcycling of poly(lactic acid) plastic waste to methyl lactate catalyzed by quaternary ammonium fluoride. <i>Journal of Catalysis</i> , 2021, 402, 61-71.	3.1	12
10	Mechanistic Insight into Selective Deoxygenation of Lysine to Produce Biobased Amines. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11805-11817.	3.2	21
11	CO ₂ Reduction to Methanol in the Liquid Phase: A Review. <i>ChemSusChem</i> , 2020, 13, 6141-6159.	3.6	54
12	Eliminating carbon dioxide emissions at the source by the integration of carbon dioxide capture and utilization over noble metals in the liquid phase. <i>Journal of Catalysis</i> , 2020, 389, 247-258.	3.1	13
13	A new process for separating biofuel based on the salt+1-butanol+water system. <i>Fuel</i> , 2020, 278, 118402.	3.4	22
14	Facile biphasic catalytic process for conversion of monoterpenoids to tricyclic hydrocarbon biofuels. <i>Journal of Energy Chemistry</i> , 2020, 49, 42-50.	7.1	8
15	A Shortcut Route to Close Nitrogen Cycle: Bio-Based Amines Production via Selective Deoxygenation of Chitin Monomers over Ru/C in Acidic Solutions. <i>IScience</i> , 2020, 23, 101096.	1.9	20
16	Salts and 1-propanol induced aqueous two-phase systems: phase separation and application. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2372-2381.	1.6	13
17	Creating efficient novel aqueous two-phase systems: Salting-out effect and high solubility of salt. <i>Fluid Phase Equilibria</i> , 2019, 490, 77-85.	1.4	21
18	Generic Biphasic Catalytic Approach for Producing Renewable Diesel from Fatty Acids and Vegetable Oils. <i>ACS Catalysis</i> , 2019, 9, 3753-3763.	5.5	25

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19	Highly efficient synthesis and separation of fuel precursors from the concentrated ABE fermentation broth in a biphasic catalytic process. <i>Fuel</i> , 2019, 242, 41-49.	3.4	27
20	Water-assisted selective hydrodeoxygenation of phenol to benzene over the Ru composite catalyst in the biphasic process. <i>Green Chemistry</i> , 2019, 21, 1668-1679.	4.6	68
21	Salting-out extraction of bio-based isobutanol from an aqueous solution. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 372-384.	1.6	14
22	Separation of acetone: From a water miscible system to an efficient aqueous two-phase system. <i>Separation and Purification Technology</i> , 2018, 192, 55-61.	3.9	25
23	Catalytic Transfer Hydrogenation of Furfural for the Production of Ethyl Levulinate: Interplay of Lewis and Brønsted Acidities. <i>Energy Technology</i> , 2018, 6, 1826-1831.	1.8	24
24	Applications of Cellulose Nanocrystals: A Review. <i>Engineered Science</i> , 2018, , .	1.2	36
25	Salting-out of bio-based 2,3-butanediol from aqueous solutions. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 122-132.	1.6	37
26	Salting-out extraction systems of ethanol and water induced by high-solubility inorganic electrolytes. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 145-150.	2.9	29
27	Biobutanol recovery from model solutions using potassium pyrophosphate. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1229-1235.	1.6	18
28	Salting-out of 1,3-propanediol from aqueous solutions by inorganic electrolytes. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2793-2801.	1.6	30
29	Laccase and Xylanase Incubation Enhanced the Sulfomethylation Reactivity of Alkali Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1248-1254.	3.2	30
30	Biobutanol recovery from model solutions/fermentation broth using tripotassium phosphate. <i>Biochemical Engineering Journal</i> , 2016, 115, 85-92.	1.8	18
31	Salting-out effect of potassium pyrophosphate ($K_4P_2O_7$) on the separation of biobutanol from an aqueous solution. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 1860-1867.	1.6	29
32	Salting-out of acetone, 1-butanol, and ethanol from dilute aqueous solutions. <i>AIChE Journal</i> , 2015, 61, 3470-3478.	1.8	31
33	Separation of a Biofuel: Recovery of Biobutanol by Salting-Out and Distillation. <i>Chemical Engineering and Technology</i> , 2015, 38, 2181-2188.	0.9	26
34	Sugaring-Out Effects of Sucrose and Glucose on the Liquid-Liquid Equilibria for the (Water +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.0	13
35	Salting-out effect of tripotassium phosphate on the liquid-liquid equilibria of the (water+acetone+1-butanol+ethanol) system and the salting-out recovery. <i>Fluid Phase Equilibria</i> , 2015, 386, 7-12.	1.4	27
36	Salting-Out Effect of Dipotassium Hydrogen Phosphate on the Recovery of Acetone, Butanol, and Ethanol from a Prefractionator. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 1507-1514.	1.0	57

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37	Energy-Saving Recovery of Acetone, Butanol, and Ethanol from a Prefractionator by the Salting-Out Method. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 3297-3303.	1.0	39