

Jiezheng Liang

List of Publications by Year in descending order

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25
papers

250
citations

1040056

9
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14
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all docs

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docs citations

25
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Vapor-Liquid Equilibrium of α -Pinene, Longifolene, and Abietic Acid of Pine Oleoresin: HS-GC Measurements and Model Correlation. <i>Journal of Chemical & Engineering Data</i> , 2022, 67, 1125-1139.	1.9	5
2	Experimental Determination and Computational Prediction of Dehydroabietic Acid Solubility in (α)- α -Pinene + (β)- β -Caryophyllene + P-Cymene System. <i>Molecules</i> , 2022, 27, 1220.	3.8	4
3	A green resin acid ester surfactant from colophony and xylitol: Synthesis, self-assembly in nonaqueous solvents, and thermodynamics. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49808.	2.6	1
4	Selective hydrogenolysis of aryl ethers over a nitrogen-doped porous carbon supported Ni-CeO ₂ catalyst at low temperature. <i>Catalysis Science and Technology</i> , 2021, 11, 3241-3250.	4.1	17
5	Rationally Constructing A Nano MOF-Derived Ni and CQD Embedded N-Doped Carbon Nanosphere for the Hydrogenation of Petroleum Resin at Low Temperature. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 10855-10869.	8.0	38
6	Joule-Thomson Effect on a CCS-Relevant (CO ₂ + N ₂) System. <i>ACS Omega</i> , 2021, 6, 9857-9867.	3.5	3
7	Synergistic Effect of Ni/W/Cu on MgAl ₂ O ₄ for One-Pot Hydrogenolysis of Cellulose to Ethylene Glycol at a Low H ₂ Pressure. <i>ACS Omega</i> , 2021, 6, 11650-11659.	3.5	10
8	Reaction network and kinetics for the one-pot hydrogenolysis of cellulose to ethylene glycol over NiOx-WOy-Cu/MgAl ₂ O ₄ . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 55-71.	1.7	4
9	High-Temperature Stability and Pyrolysis Kinetics and Mechanism of Bio-Based and Petro-Based Resins Using TG-FTIR/MS. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13774-13789.	3.7	7
10	C9 Petroleum Resin Hydrogenation over a PEG1000-Modified Nickel Catalyst Supported on a Recyclable Fluid Catalytic Cracking Catalyst Residue. <i>ACS Omega</i> , 2020, 5, 20291-20298.	3.5	16
11	Vapor-Liquid Equilibria for Binary and Ternary Systems with β -Caryophyllene, Dipentene, and α -Pinene at 100.7 kPa. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3770-3777.	1.9	8
12	Formation regulation of various rosin esters and intensification mechanism using pressurized CO ₂ . <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 382-395.	1.7	0
13	Excess Gibbs Energies and Isothermal Vapor-Liquid Equilibrium for Citral + Linalool, Citral + α -Pinene, and Linalool + α -Pinene Systems Using Headspace Gas Chromatography. <i>Journal of Chemical & Engineering Data</i> , 2020, 65, 3593-3604.	1.9	10
14	The Emulsifying Properties of Hydrogenated Rosin Xylitol Ester as a Biomass Surfactant for Food: Effect of pH and Salts. <i>Molecules</i> , 2020, 25, 302.	3.8	11
15	Measurement and Correlation of Isobaric Vapor-Liquid Equilibrium for Camphene, (+)-3-Carene, and (α)-Limonene Systems. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 905-915.	1.9	8
16	Catalytic methyl esterification of colophony over ZnO/SFCCR with subcritical CO ₂ : catalytic performance, reaction pathway and kinetics. <i>Royal Society Open Science</i> , 2018, 5, 172124.	2.4	5
17	Catalyst-Free Biodiesel Production from Industrial Rosin Residue (Dark-Grade Rosin) Using Supercritical Methanol. <i>Waste and Biomass Valorization</i> , 2018, 9, 1191-1198.	3.4	6
18	A Ni-based catalyst with polyvinyl pyrrolidone as a dispersant supported in a pretreated fluid catalytic cracking catalyst residue for C9 petroleum resin (C9 PR) hydrogenation. <i>Royal Society Open Science</i> , 2018, 5, 172052.	2.4	11

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19	A novel acid catalyst based on super/subcritical CO ₂ -enriched water for the efficient esterification of rosin. Royal Society Open Science, 2018, 5, 171031.	2.4	8
20	Intrinsic kinetics study of rosin hydrogenation on a nickel catalyst supported on spent equilibrium catalyst. RSC Advances, 2017, 7, 25780-25788.	3.6	7
21	Subcritical carbon dioxide-water hydrolysis of sugarcane bagasse pith for reducing sugars production. Bioresource Technology, 2017, 228, 147-155.	9.6	29
22	Hydrolysis behaviors of sugarcane bagasse pith in subcritical carbon dioxide-water. RSC Advances, 2016, 6, 99322-99330.	3.6	10
23	A small eggshell Ni/SFC3R catalyst for C5 petroleum resin hydrogenation: preparation and characterization. RSC Advances, 2016, 6, 49113-49122.	3.6	15
24	Nonisothermal Decomposition Kinetics of Abietic Acid in Argon Atmosphere. Industrial & Engineering Chemistry Research, 2011, 50, 13727-13731.	3.7	15
25	Measurement and Prediction of Isothermal Vapor-Liquid Equilibrium and Thermodynamic Properties of a Turpentine + Rosin System Using the COSMO-RS Model. ACS Omega, 0, , .	3.5	2