

# Jiezheng Liang

## List of Publications by Year in descending order

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25  
papers

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citations

1040056

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h-index

1058476

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g-index

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25  
docs citations

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times ranked

225  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rationally Constructing A Nano MOF-Derived Ni and CQD Embedded N-Doped Carbon Nanosphere for the Hydrogenation of Petroleum Resin at Low Temperature. ACS Applied Materials & Interfaces, 2021, 13, 10855-10869.	8.0	38
2	Subcritical carbon dioxide-water hydrolysis of sugarcane bagasse pith for reducing sugars production. Bioresource Technology, 2017, 228, 147-155.	9.6	29
3	Selective hydrogenolysis of aryl ethers over a nitrogen-doped porous carbon supported Ni <sup>2+</sup> /CeO <sub>2</sub> catalyst at low temperature. Catalysis Science and Technology, 2021, 11, 3241-3250.	4.1	17
4	C9 Petroleum Resin Hydrogenation over a PEG1000-Modified Nickel Catalyst Supported on a Recyclable Fluid Catalytic Cracking Catalyst Residue. ACS Omega, 2020, 5, 20291-20298.	3.5	16
5	Nonisothermal Decomposition Kinetics of Abietic Acid in Argon Atmosphere. Industrial & Engineering Chemistry Research, 2011, 50, 13727-13731.	3.7	15
6	A small eggshell Ni/SFC3R catalyst for C5 petroleum resin hydrogenation: preparation and characterization. RSC Advances, 2016, 6, 49113-49122.	3.6	15
7	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. Royal Society Open Science, 2018, 5, 172052.	2.4	11
8	The Emulsifying Properties of Hydrogenated Rosin Xylitol Ester as a Biomass Surfactant for Food: Effect of pH and Salts. Molecules, 2020, 25, 302.	3.8	11
9	Hydrolysis behaviors of sugarcane bagasse pith in subcritical carbon dioxide-water. RSC Advances, 2016, 6, 99322-99330.	3.6	10
10	Excess Gibbs Energies and Isothermal Vapor-Liquid Equilibrium for Citral + Linalool, Citral + $\pm$ -Pinene, and Linalool + $\pm$ -Pinene Systems Using Headspace Gas Chromatography. Journal of Chemical & Engineering Data, 2020, 65, 3593-3604.	1.9	10
11	Synergistic Effect of Ni/W/Cu on MgAl <sub>2</sub> O <sub>4</sub> for One-Pot Hydrogenolysis of Cellulose to Ethylene Glycol at a Low H <sub>2</sub> Pressure. ACS Omega, 2021, 6, 11650-11659.	3.5	10
12	A novel acid catalyst based on super/subcritical CO <sub>2</sub> -enriched water for the efficient esterification of rosin. Royal Society Open Science, 2018, 5, 171031.	2.4	8
13	Measurement and Correlation of Isobaric Vapor-Liquid Equilibrium for Camphene, (+)-3-Carene, and ( $\pm$ )-Limonene Systems. Journal of Chemical & Engineering Data, 2019, 64, 905-915.	1.9	8
14	Vapor-Liquid Equilibria for Binary and Ternary Systems with $\beta$ -Caryophyllene, Dipentene, and $\pm$ -Pinene at 100.7 kPa. Journal of Chemical & Engineering Data, 2020, 65, 3770-3777.	1.9	8
15	Intrinsic kinetics study of rosin hydrogenation on a nickel catalyst supported on spent equilibrium catalyst. RSC Advances, 2017, 7, 25780-25788.	3.6	7
16	High-Temperature Stability and Pyrolysis Kinetics and Mechanism of Bio-Based and Petro-Based Resins Using TG-FTIR/MS. Industrial & Engineering Chemistry Research, 2021, 60, 13774-13789.	3.7	7
17	Catalyst-Free Biodiesel Production from Industrial Rosin Residue (Dark-Grade Rosin) Using Supercritical Methanol. Waste and Biomass Valorization, 2018, 9, 1191-1198.	3.4	6
18	Catalytic methyl esterification of colophony over ZnO/SFCCR with subcritical CO <sub>2</sub> : catalytic performance, reaction pathway and kinetics. Royal Society Open Science, 2018, 5, 172124.	2.4	5

#	ARTICLE	IF	CITATIONS
19	Vapor-Liquid Equilibrium of $\alpha$ -Pinene, Longifolene, and Abietic Acid of Pine Oleoresin: HS-GC Measurements and Model Correlation. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 1125-1139.	1.9	5
20	Reaction network and kinetics for the one-pot hydrogenolysis of cellulose to ethylene glycol over NiOx-WOy-Cu/MgAl <sub>2</sub> O <sub>4</sub> . <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 55-71.	1.7	4
21	Experimental Determination and Computational Prediction of Dehydroabietic Acid Solubility in ( $\alpha$ )- $\alpha$ -Pinene + ( $\beta$ )- $\beta$ -Caryophyllene + P-Cymene System. <i>Molecules</i> , 2022, 27, 1220.	3.8	4
22	Joule-Thomson Effect on a CCS-Relevant (CO <sub>2</sub> + N <sub>2</sub> ) System. <i>ACS Omega</i> , 2021, 6, 9857-9867.	3.5	3
23	Measurement and Prediction of Isothermal Vapor-Liquid Equilibrium and Thermodynamic Properties of a Turpentine + Rosin System Using the COSMO-RS Model. <i>ACS Omega</i> , 0, , .	3.5	2
24	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
25	Formation regulation of various rosin esters and intensification mechanism using pressurized CO <sub>2</sub> . <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 382-395.	1.7	0