

Boyang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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933447

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#	ARTICLE	IF	CITATIONS
1	Boosting Amination of 1-Octanol to 1-Octylamine via Metal-Metal Oxide Interactions in Ni ₁ /Fe ₁ /Al ₂ O ₃ Catalysts. ChemCatChem, 2022, 14, .	3.7	3
2	Regioselectivity regulation of styrene hydroformylation over Rh-based Phosphides: Combination of DFT calculations and kinetic studies. Chemical Engineering Journal, 2022, 441, 136101.	12.7	9
3	High-Performance Ni ₃ P Catalyst for C=O Hydrogenation of Ethyl Levulinate: Ni ⁺ as Outstanding Adsorption Sites. ACS Catalysis, 2022, 12, 7926-7935.	11.2	13
4	Promotion of Inorganic Phosphorus on Rh Catalysts in Styrene Hydroformylation: Geometric and Electronic Effects. ACS Catalysis, 2021, 11, 1787-1796.	11.2	43
5	Activity Promotion of Rh ₈ Co ₄ Bimetallic Phosphides in Styrene Hydroformylation: Dual Influence of Adsorption and Surface Reaction. ACS Catalysis, 2021, 11, 9850-9859.	11.2	19
6	Promotion of diphosphine ligands (PPh ₂ (CH ₂) _n , n=1, 2, 3, 5, 6) for supported Rh/SiO ₂ catalysts in heterogeneous ethene hydroformylation. Molecular Catalysis, 2021, 511, 111736.	2.0	2
7	Subsurface Carbon as a Selectivity Promotor to Enhance Catalytic Performance in Acetylene Semihydrogenation. ACS Catalysis, 2021, 11, 10257-10266.	11.2	33
8	Insights into the Activity Screening and Hydroformylation Kinetics of Rh-Based Bimetallic Phosphides. ACS Catalysis, 2021, 11, 15235-15243.	11.2	16
9	Insights into the Bimetallic Effects of a RhCo Catalyst for Ethene Hydroformylation: Experimental and DFT Investigations. Industrial & Engineering Chemistry Research, 2020, 59, 18771-18780.	3.7	26
10	Correlating C-C, C-O, and C-N Hydrogenation Activity with Hydrogen Binding Energies on Ni-Fe Bimetallic Catalysts. Journal of Physical Chemistry C, 2020, 124, 18595-18603.	3.1	7
11	Transfer Hydrogenation of Cinnamaldehyde Catalyzed by Al ₂ O ₃ Using Ethanol as a Solvent and Hydrogen Donor. ACS Sustainable Chemistry and Engineering, 2020, 8, 8195-8205.	6.7	25
12	Enhanced production of aromatics from propane with a temperature-shifting two-stage fluidized bed reactor. RSC Advances, 2019, 9, 26532-26536.	3.6	7
13	Diffusion Performance of Fertilizer Nutrient through Polymer Latex Film. Journal of Agricultural and Food Chemistry, 2017, 65, 10868-10874.	5.2	14
14	Fabrication of graphene oxide/polymer latex composite film coated on KNO ₃ fertilizer to extend its release duration. Chemical Engineering Journal, 2017, 311, 318-325.	12.7	39
15	Separation Performance of Graphene Oxide Membrane in Aqueous Solution. Industrial & Engineering Chemistry Research, 2016, 55, 4803-4810.	3.7	116