

Boyang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

372
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

510
citing authors

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