

Hao Xu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

390
citations

10
h-index

16
g-index

16
ext. papers

462
ext. citations

7
avg, IF

3.73
L-index

#	Paper	IF	Citations
14	A low content Au-based catalyst for hydrochlorination of C ₂ H ₂ and its industrial scale-up for future PVC processes. <i>Green Chemistry</i> , 2015 , 17, 356-364	10	92
13	Stabilizing Au(III) in supported-ionic-liquid-phase (SILP) catalyst using CuCl ₂ via a redox mechanism. <i>Applied Catalysis B: Environmental</i> , 2017 , 206, 175-183	21.8	56
12	Alternative solvent to aqua regia to activate Au/AC catalysts for the hydrochlorination of acetylene. <i>Journal of Catalysis</i> , 2017 , 350, 149-158	7.3	51
11	Elaborately Designed Hierarchical Heterostructures Consisting of Carbon-Coated TiO ₂ (B) Nanosheets Decorated with Fe ₃ O ₄ Nanoparticles for Remarkable Synergy in High-Rate Lithium Storage. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500239	4.6	39
10	Green production of PVC from laboratory to industrialization: State-of-the-art review of heterogeneous non-mercury catalysts for acetylene hydrochlorination. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 65, 13-25	6.3	36
9	A ligand coordination approach for high reaction stability of an Au ₂ Cu bimetallic carbon-based catalyst in the acetylene hydrochlorination process. <i>Catalysis Science and Technology</i> , 2016 , 6, 1357-1366	5.5	35
8	Homogeneous and Real Super Tough Multi-Bond Network Hydrogels Created through a Controllable Metal Ion Permeation Strategy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42856-42864	8.5	25
7	Ionic liquids-coordinated Au catalysts for acetylene hydrochlorination: DFT approach towards reaction mechanism and adsorption energy. <i>Catalysis Science and Technology</i> , 2018 , 8, 1176-1182	5.5	19
6	Multi-bond network hydrogels with robust mechanical and self-healable properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1253-1267	3.5	19
5	How can multi-bond network hydrogels dissipate energy more effectively: an investigation on the relationship between network structure and properties. <i>Soft Matter</i> , 2020 , 16, 4407-4413	3.6	10
4	Implementation of TPC-DS Testing Tool 2010 ,		2
3	The interactive role of methane beyond a reactant in crude oil upgrading. <i>Communications Chemistry</i> , 2021 , 4,	6.3	2
2	Catalytic Mechanism Comparison Between 1,2-Dichloroethane-Acetylene Exchange Reaction and Acetylene Hydrochlorination Reaction for Vinyl Chloride Production: DFT Calculations and Experiments. <i>Catalysts</i> , 2020 , 10, 204	4	1
1	Biomass Valorization Under Methane Environment 2022 , 163-193		