

# Hao Xu

## List of Publications by Year in Descending Order

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