

Jilei Liu

List of Publications by Year in descending order

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15
papers

2,686
citations

623188

14
h-index

996533

15
g-index

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all docs

15
docs citations

15
times ranked

3434
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective hydrogenation of 1,3-butadiene on platinum-copper alloys at the single-atom limit. Nature Communications, 2015, 6, 8550.	5.8	484
2	Pt/Cu single-atom alloys as coke-resistant catalysts for efficient C-H activation. Nature Chemistry, 2018, 10, 325-332.	6.6	472
3	Tackling CO Poisoning with Single-Atom Alloy Catalysts. Journal of the American Chemical Society, 2016, 138, 6396-6399.	6.6	374
4	A Common Single-Site Pt(II)-O(OH) Species Stabilized by Sodium on Inert Supports Catalyzes the Water-Gas Shift Reaction. Journal of the American Chemical Society, 2015, 137, 3470-3473.	6.6	347
5	Surpassing the single-atom catalytic activity limit through paired Pt-O-Pt ensemble built from isolated Pt1 atoms. Nature Communications, 2019, 10, 3808.	5.8	225
6	Selective Formic Acid Dehydrogenation on Pt-Cu Single-Atom Alloys. ACS Catalysis, 2017, 7, 413-420.	5.5	143
7	Selective non-oxidative dehydrogenation of ethanol to acetaldehyde and hydrogen on highly dilute NiCu alloys. Applied Catalysis B: Environmental, 2017, 205, 541-550.	10.8	124
8	Palladium-gold single atom alloy catalysts for liquid phase selective hydrogenation of 1-hexyne. Catalysis Science and Technology, 2017, 7, 4276-4284.	2.1	100
9	Single-atom gold oxo-clusters prepared in alkaline solutions catalyse the heterogeneous methanol self-coupling reactions. Nature Chemistry, 2019, 11, 1098-1105.	6.6	82
10	High-loading single Pt atom sites [Pt-O(OH)] catalyze the CO PROX reaction with high activity and selectivity at mild conditions. Science Advances, 2020, 6, eaba3809.	4.7	78
11	Water co-catalyzed selective dehydrogenation of methanol to formaldehyde and hydrogen. Surface Science, 2016, 650, 121-129.	0.8	75
12	NiAu Single Atom Alloys for the Non-oxidative Dehydrogenation of Ethanol to Acetaldehyde and Hydrogen. Topics in Catalysis, 2018, 61, 475-486.	1.3	75
13	Integrated Catalysis-Surface Science-Theory Approach to Understand Selectivity in the Hydrogenation of 1-Hexyne to 1-Hexene on PdAu Single-Atom Alloy Catalysts. ACS Catalysis, 2019, 9, 8757-8765.	5.5	63
14	Mechanistic and Electronic Insights into a Working NiAu Single-Atom Alloy Ethanol Dehydrogenation Catalyst. Journal of the American Chemical Society, 2021, 143, 21567-21579.	6.6	28
15	PdCu Single Atom Alloys for the Selective Oxidation of Methanol to Methyl Formate at Low Temperatures. Topics in Catalysis, 2020, 63, 618-627.	1.3	16