Jilei Liu

List of Publications by Year in Descending Order

15 papers	1,856 citations	13 h-index	15 g-index
15 ext. papers	2,279 ext. citations	12.6 avg, IF	4.7 L-index

#	Paper	IF	Citations
15	Mechanistic and Electronic Insights into a Working NiAu Single-Atom Alloy Ethanol Dehydrogenation Catalyst.. *Journal of the American Chemical Society*, **2021**, 143, 21567-21579	16.4	5
14	PdCu Single Atom Alloys for the Selective Oxidation of Methanol to Methyl Formate at Low Temperatures. *Topics in Catalysis*, **2020**, 63, 618-627	2.3	3
13	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	14.3	35
12	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	13.1	34
11	Surpassing the single-atom catalytic activity limit through paired Pt-O-Pt ensemble built from isolated Pt atoms. *Nature Communications*, **2019**, 10, 3808	17.4	120
10	Single-atom gold oxo-clusters prepared in alkaline solutions catalyse the heterogeneous methanol self-coupling reactions. *Nature Chemistry*, **2019**, 11, 1098-1105	17.6	44
9	Pt/Cu single-atom alloys as coke-resistant catalysts for efficient C-H activation. *Nature Chemistry*, **2018**, 10, 325-332	17.6	308
8	NiAu Single Atom Alloys for the Non-oxidative Dehydrogenation of Ethanol to Acetaldehyde and Hydrogen. *Topics in Catalysis*, **2018**, 61, 475-486	2.3	50
7	Selective non-oxidative dehydrogenation of ethanol to acetaldehyde and hydrogen on highly dilute NiCu alloys. *Applied Catalysis B: Environmental*, **2017**, 205, 541-550	21.8	91
6	Selective Formic Acid Dehydrogenation on Pt-Cu Single-Atom Alloys. *ACS Catalysis*, **2017**, 7, 413-420	13.1	108
5	Palladium–gold single atom alloy catalysts for liquid phase selective hydrogenation of 1-hexyne. *Catalysis Science and Technology*, **2017**, 7, 4276-4284	5.5	77
4	Water co-catalyzed selective dehydrogenation of methanol to formaldehyde and hydrogen. *Surface Science*, **2016**, 650, 121-129	1.8	60
3	Tackling CO Poisoning with Single-Atom Alloy Catalysts. *Journal of the American Chemical Society*, **2016**, 138, 6396-9	16.4	272
2	A common single-site Pt(II)-O(OH)x- species stabilized by sodium on "active" and "inert" supports catalyzes the water-gas shift reaction. *Journal of the American Chemical Society*, **2015**, 137, 3470-3	16.4	280
1	Selective hydrogenation of 1,3-butadiene on platinum-copper alloys at the single-atom limit. *Nature Communications*, **2015**, 6, 8550	17.4	369