Felicia R Lucci

List of Publications by Citations

21 papers	1,908 citations	16 h-index	21 g-index
21 ext. papers	2,265 ext. citations	10.5 avg, IF	4.8 L-index

#	Paper	IF	Citations
21	Selective hydrogenation of 1,3-butadiene on platinum-copper alloys at the single-atom limit. *Nature Communications*, **2015**, 6, 8550	17.4	369
20	Pt/Cu single-atom alloys as coke-resistant catalysts for efficient C-H activation. *Nature Chemistry*, **2018**, 10, 325-332	17.6	308
19	Tackling CO Poisoning with Single-Atom Alloy Catalysts. *Journal of the American Chemical Society*, **2016**, 138, 6396-9	16.4	272
18	An atomic-scale view of single-site Pt catalysis for low-temperature CO oxidation. *Nature Catalysis*, **2018**, 1, 192-198	36.5	209
17	Controlling Hydrogen Activation, Spillover, and Desorption with Pd-Au Single-Atom Alloys. *Journal of Physical Chemistry Letters*, **2016**, 7, 480-5	6.4	129
16	Selective Formic Acid Dehydrogenation on Pt-Cu Single-Atom Alloys. *ACS Catalysis*, **2017**, 7, 413-420	13.1	108
15	H2 Activation and Spillover on Catalytically Relevant Pt□u Single Atom Alloys. *Journal of Physical Chemistry C*, **2015**, 119, 24351-24357	3.8	103
14	Atomic Scale Surface Structure of Pt/Cu(111) Surface Alloys. *Journal of Physical Chemistry C*, **2014**, 118, 3015-3022	3.8	78
13	Palladium□old single atom alloy catalysts for liquid phase selective hydrogenation of 1-hexyne. *Catalysis Science and Technology*, **2017**, 7, 4276-4284	5.5	77
12	Water co-catalyzed selective dehydrogenation of methanol to formaldehyde and hydrogen. *Surface Science*, **2016**, 650, 121-129	1.8	60
11	Microscopic View of the Active Sites for Selective Dehydrogenation of Formic Acid on Cu(111). *ACS Catalysis*, **2015**, 5, 7371-7378	13.1	32
10	Structurally Accurate Model for the □29□Structure of CuxO/Cu(111): A DFT and STM Study. *Journal of Physical Chemistry C*, **2016**, 120, 10879-10886	3.8	31
9	Surface Structure Dependence of the Dry Dehydrogenation of Alcohols on Cu(111) and Cu(110). *Journal of Physical Chemistry C*, **2017**, 121, 12800-12806	3.8	25
8	Enhancement of low-energy electron emission in 2D radioactive films. *Nature Materials*, **2015**, 14, 904-7	27	25
7	The effect of single pd atoms on the energetics of recombinative O2 desorption from Au(111). *Surface Science*, **2018**, 677, 296-300	1.8	16
6	Enantiospecific Kinetics in Surface Adsorption: Propylene Oxide on Pt(111) Surfaces. *Journal of Physical Chemistry C*, **2013**, 117, 18588-18594	3.8	16
5	Water activation by single Pt atoms supported on a Cu2O thin film. *Journal of Catalysis*, **2018**, 364, 166-173	7.3	15

List of Publications

4	CO Adsorption on the √29-CuxO/Cu(111) Surface: An Integrated DFT, STM, and TPD Study. *Journal of Physical Chemistry C*, **2016**, 120, 25387-25394	3.8	15
3	Carbon Monoxide Mediated Hydrogen Release from PtCu Single-Atom Alloys: The Punctured Molecular Cork Effect. *Journal of Physical Chemistry C*, **2019**, 123, 10419-10428	3.8	13
2	Atomic-Scale Picture of the Composition, Decay, and Oxidation of Two-Dimensional Radioactive Films. *ACS Nano*, **2016**, 10, 2152-8	16.7	5
1	Templated Growth of a Homochiral Thin Film Oxide. *ACS Nano*, **2020**, 14, 4682-4688	16.7	2