

# Felicia R Lucci

## 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.

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	Templated Growth of a Homochiral Thin Film Oxide. <i>ACS Nano</i> , <b>2020</b> , 14, 4682-4688	16.7	2
20	Carbon Monoxide Mediated Hydrogen Release from PtCu Single-Atom Alloys: The Punctured Molecular Cork Effect. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10419-10428	3.8	13
19	An atomic-scale view of single-site Pt catalysis for low-temperature CO oxidation. <i>Nature Catalysis</i> , <b>2018</b> , 1, 192-198	36.5	209
18	Pt/Cu single-atom alloys as coke-resistant catalysts for efficient C-H activation. <i>Nature Chemistry</i> , <b>2018</b> , 10, 325-332	17.6	308
17	The effect of single pd atoms on the energetics of recombinative O2 desorption from Au(111). <i>Surface Science</i> , <b>2018</b> , 677, 296-300	1.8	16
16	Water activation by single Pt atoms supported on a Cu2O thin film. <i>Journal of Catalysis</i> , <b>2018</b> , 364, 166-173	17.3	15
15	Selective Formic Acid Dehydrogenation on Pt-Cu Single-Atom Alloys. <i>ACS Catalysis</i> , <b>2017</b> , 7, 413-420	13.1	108
14	Surface Structure Dependence of the Dry Dehydrogenation of Alcohols on Cu(111) and Cu(110). <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 12800-12806	3.8	25
13	Palladium-gold single atom alloy catalysts for liquid phase selective hydrogenation of 1-hexyne. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 4276-4284	5.5	77
12	Controlling Hydrogen Activation, Spillover, and Desorption with Pd-Au Single-Atom Alloys. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 480-5	6.4	129
11	Atomic-Scale Picture of the Composition, Decay, and Oxidation of Two-Dimensional Radioactive Films. <i>ACS Nano</i> , <b>2016</b> , 10, 2152-8	16.7	5
10	Water co-catalyzed selective dehydrogenation of methanol to formaldehyde and hydrogen. <i>Surface Science</i> , <b>2016</b> , 650, 121-129	1.8	60
9	Tackling CO Poisoning with Single-Atom Alloy Catalysts. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6396-9	16.4	272
8	Structurally Accurate Model for the $\beta$ -Structure of Cu <sub>x</sub> O/Cu(111): A DFT and STM Study. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 10879-10886	3.8	31
7	CO Adsorption on the $\beta$ -Cu <sub>x</sub> O/Cu(111) Surface: An Integrated DFT, STM, and TPD Study. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 25387-25394	3.8	15
6	Enhancement of low-energy electron emission in 2D radioactive films. <i>Nature Materials</i> , <b>2015</b> , 14, 904-7	27	25
5	Microscopic View of the Active Sites for Selective Dehydrogenation of Formic Acid on Cu(111). <i>ACS Catalysis</i> , <b>2015</b> , 5, 7371-7378	13.1	32

4	Selective hydrogenation of 1,3-butadiene on platinum-copper alloys at the single-atom limit. <i>Nature Communications</i> , <b>2015</b> , 6, 8550	17.4	369
3	H <sub>2</sub> Activation and Spillover on Catalytically Relevant Pt/Cu Single Atom Alloys. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 24351-24357	3.8	103
2	Atomic Scale Surface Structure of Pt/Cu(111) Surface Alloys. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 3015-3022	3.8	78
1	Enantiospecific Kinetics in Surface Adsorption: Propylene Oxide on Pt(111) Surfaces. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 18588-18594	3.8	16