

Felicia R Lucci

List of Publications by Year in descending order

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21
papers

2,607
citations

430754

18
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713332

21
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21
docs citations

21
times ranked

3222
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	An atomic-scale view of single-site Pt catalysis for low-temperature CO oxidation. Nature Catalysis, 2018, 1, 192-198.	16.1	292
5	Controlling Hydrogen Activation, Spillover, and Desorption with Pd-Au Single-Atom Alloys. Journal of Physical Chemistry Letters, 2016, 7, 480-485.	2.1	169
6	Selective Formic Acid Dehydrogenation on Pt-Cu Single-Atom Alloys. ACS Catalysis, 2017, 7, 413-420.	5.5	143
7	H ₂ Activation and Spillover on Catalytically Relevant Pt-Cu Single Atom Alloys. Journal of Physical Chemistry C, 2015, 119, 24351-24357.	1.5	135
8	Atomic Scale Surface Structure of Pt/Cu(111) Surface Alloys. Journal of Physical Chemistry C, 2014, 118, 3015-3022.	1.5	102
9	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
10	Water co-catalyzed selective dehydrogenation of methanol to formaldehyde and hydrogen. Surface Science, 2016, 650, 121-129.	0.8	75
11	Structurally Accurate Model for the Structure of Cu ₂ O/Cu(111): A DFT and STM Study. Journal of Physical Chemistry C, 2016, 120, 10879-10886.	1.5	45
12	Microscopic View of the Active Sites for Selective Dehydrogenation of Formic Acid on Cu(111). ACS Catalysis, 2015, 5, 7371-7378.	5.5	42
13	Surface Structure Dependence of the Dry Dehydrogenation of Alcohols on Cu(111) and Cu(110). Journal of Physical Chemistry C, 2017, 121, 12800-12806.	1.5	34
14	Enhancement of low-energy electron emission in 2D radioactive films. Nature Materials, 2015, 14, 904-907.	13.3	30
15	CO Adsorption on the Cu ₂ O/Cu(111) Surface: An Integrated DFT, STM, and TPD Study. Journal of Physical Chemistry C, 2016, 120, 25387-25394.	1.5	24
16	The effect of single pd atoms on the energetics of recombinative O ₂ desorption from Au(111). Surface Science, 2018, 677, 296-300.	0.8	20
17	Enantiospecific Kinetics in Surface Adsorption: Propylene Oxide on Pt(111) Surfaces. Journal of Physical Chemistry C, 2013, 117, 18588-18594.	1.5	19
18	Carbon Monoxide Mediated Hydrogen Release from PtCu Single-Atom Alloys: The Punctured Molecular Cork Effect. Journal of Physical Chemistry C, 2019, 123, 10419-10428.	1.5	19

#	ARTICLE	IF	CITATIONS
19	Water activation by single Pt atoms supported on a Cu ₂ O thin film. <i>Journal of Catalysis</i> , 2018, 364, 166-173.	3.1	18
20	Atomic-Scale Picture of the Composition, Decay, and Oxidation of Two-Dimensional Radioactive Films. <i>ACS Nano</i> , 2016, 10, 2152-2158.	7.3	5
21	Templated Growth of a Homochiral Thin Film Oxide. <i>ACS Nano</i> , 2020, 14, 4682-4688.	7.3	5