

H Mistry

List of Publications by Year in descending order

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13
papers

3,389
citations

687363

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h-index

1125743

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14
all docs

14
docs citations

14
times ranked

5074
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle Size Effects in the Catalytic Electroreduction of CO ₂ on Cu Nanoparticles. Journal of the American Chemical Society, 2014, 136, 6978-6986.	13.7	1,145
2	Highly selective plasma-activated copper catalysts for carbon dioxide reduction to ethylene. Nature Communications, 2016, 7, 12123.	12.8	896
3	Exceptional Size-Dependent Activity Enhancement in the Electroreduction of CO ₂ over Au Nanoparticles. Journal of the American Chemical Society, 2014, 136, 16473-16476.	13.7	600
4	Tailoring the Catalytic Properties of Metal Nanoparticles via Support Interactions. Journal of Physical Chemistry Letters, 2016, 7, 3519-3533.	4.6	212
5	Enhanced Carbon Dioxide Electroreduction to Carbon Monoxide over Defect-Rich Plasma-Activated Silver Catalysts. Angewandte Chemie - International Edition, 2017, 56, 11394-11398.	13.8	180
6	Operando high-pressure investigation of size-controlled CuZn catalysts for the methanol synthesis reaction. Nature Communications, 2021, 12, 1435.	12.8	62
7	New insights into working nanostructured electrocatalysts through operando spectroscopy and microscopy. Current Opinion in Electrochemistry, 2017, 1, 95-103.	4.8	58
8	Enhanced Carbon Dioxide Electroreduction to Carbon Monoxide over Defect-Rich Plasma-Activated Silver Catalysts. Angewandte Chemie, 2017, 129, 11552-11556.	2.0	58
9	<i>Operando</i> Phonon Studies of the Protonation Mechanism in Highly Active Hydrogen Evolution Reaction Pentlandite Catalysts. Journal of the American Chemical Society, 2017, 139, 14360-14363.	13.7	53
10	Pressure-Dependent Effect of Hydrogen Adsorption on Structural and Electronic Properties of Pt/Al ₂ O ₃ Nanoparticles. ChemCatChem, 2014, 6, 348-352.	3.7	46
11	Shape-Dependent Catalytic Oxidation of 2-Butanol over Pt Nanoparticles Supported on Al ₂ O ₃ . ACS Catalysis, 2014, 4, 109-115.	11.2	39
12	Probing the Dynamic Structure and Chemical State of Au Nanocatalysts during the Electrochemical Oxidation of 2-Propanol. ACS Catalysis, 2016, 6, 3396-3403.	11.2	22
13	Segregation Phenomena in Size-Selected Bimetallic CuNi Nanoparticle Catalysts. Journal of Physical Chemistry B, 2018, 122, 919-926.	2.6	18