Cheonghee Kim

List of Publications by Year
in descending order

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25 papers	2,474 citations	361413 20 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	3675 citing authors

#	Article	IF	Citations
1	Achieving Selective and Efficient Electrocatalytic Activity for CO₂ Reduction Using Immobilized Silver Nanoparticles. Journal of the American Chemical Society, 2015, 137, 13844-13850.	13.7	575
2	Electrochemical Fragmentation of Cu₂O Nanoparticles Enhancing Selective Câ€“C Coupling from CO₂ Reduction Reaction. Journal of the American Chemical Society, 2019, 141, 4624-4633.	13.7	390
3	Branched Copper Oxide Nanoparticles Induce Highly Selective Ethylene Production by Electrochemical Carbon Dioxide Reduction. Journal of the American Chemical Society, 2019, 141, 6986-6994.	13.7	260
4	Alloy Nanocatalysts for the Electrochemical Oxygen Reduction (ORR) and the Direct Electrochemical Carbon Dioxide Reduction Reaction (CO₂RR). Advanced Materials, 2019, 31, e1805617.	21.0	255
5	Insight into Electrochemical CO₂ Reduction on Surface-Molecule-Mediated Ag Nanoparticles. ACS Catalysis, 2017, 7, 779-785.	11.2	205
6	Performance of shape-controlled Pd nanoparticles in the selective hydrogenation of acetylene. Journal of Catalysis, 2013, 306, 146-154.	6.2	116
7	Change in the catalytic reactivity of Pt nanocubes in the presence of different surface-capping agents. Catalysis Communications, 2009, 10, 1305-1309.	3.3	73
8	Enhancement in carbon dioxide activity and stability on nanostructured silver electrode and the role of oxygen. Applied Catalysis B: Environmental, 2016, 180, 372-378.	20.2	70
9	Gold catalyst reactivity for CO2 electro-reduction: From nano particle to layer. Catalysis Today, 2016, 260, 107-111.	4.4	67
10	Platinum dendrites with controlled sizes for oxygen reduction reaction. Electrochemistry Communications, 2010, 12, 1596-1599.	4.7	49
11	Suppression of Competing Reaction Channels by Pb Adatom Decoration of Catalytically Active Cu Surfaces During CO₂ Electroreduction. ACS Catalysis, 2019, 9, 1482-1488.	11.2	46
12	Shape-Controlled Nanocrystals for Catalytic Applications. Catalysis Surveys From Asia, 2012, 16, 14-27.	2.6	42
13	Gold Nanoparticles-Based Colorimetric Assay for Cathepsin B Activity and the Efficiency of Its Inhibitors. Analytical Chemistry, 2014, 86, 3825-3833.	6.5	40
14	In situ shaping of Pt nanoparticles directly overgrown on carbon supports. Chemical Communications, 2012, 48, 6396.	4.1	37
15	Shape effect of Pt nanocrystals on electrocatalytic hydrogenation. Catalysis Communications, 2009, 11, 7-10.	3.3	36
16	Shaped Ni nanoparticles with an unconventional hcp crystalline structure. Chemical Communications, 2014, 50, 6353.	4.1	35
17	Surface-specific overgrowth of platinum on shaped gold nanocrystals. Physical Chemistry Chemical Physics, 2009, 11, 9759.	2.8	34
18	Enhanced electrocatalytic performance due to anomalous compressive strain and superior electron retention properties of highly porous Pt nanoparticles. Journal of Catalysis, 2012, 291, 69-78.	6.2	29

#	Article	IF	Citations
19	Shape- and Composition-Controlled Ptâ€“Feâ€“Co Nanoparticles for Electrocatalytic Methanol Oxidation. Topics in Catalysis, 2010, 53, 686-693.	2.8	28
20	Chemical and Thermal Stability of Pt Nanocubes Synthesized with Various Surface-Capping Agents. Journal of Nanoscience and Nanotechnology, 2010, 10, 233-239.	0.9	23
21	Electrocatalytic properties of platinum overgrown on various shapes of gold nanocrystals. Journal of Molecular Catalysis A, 2010, 333, 6-10.	4.8	23
22	Top-down shaping of metal nanoparticles in solution: partially etched Au@Pt nanoparticles with unique morphology. Chemical Communications, 2011, 47, 8079.	4.1	16
23	A distinct platinum growth mode on shaped gold nanocrystals. Chemical Communications, 2012, 48, 257-259.	4.1	15
24	One-pot synthesis of Pd@PdPt coreâ€“shell nanocubes on carbon supports. RSC Advances, 2014, 4, 63677-63680.	3.6	9
25	Applying Shapeâ€Controlled Pt Nanoâ€dendrites Supported on Carbon for Membraneâ€Electrode Assembly in a Proton Exchange Membrane Fuel Cell. Fuel Cells, 2013, 13, 889-894.	2.4	1