

# 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	Electrochemical Fragmentation of Cu <sub>2</sub> O Nanoparticles Enhancing Selective C-C Coupling from CO <sub>2</sub> Reduction Reaction. Journal of the American Chemical Society, 2019, 141, 4624-4633.	13.7	390
2	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
3	Suppression of Competing Reaction Channels by Pb Adatom Decoration of Catalytically Active Cu Surfaces During CO <sub>2</sub> Electroreduction. ACS Catalysis, 2019, 9, 1482-1488.	11.2	46
4	Alloy Nanocatalysts for the Electrochemical Oxygen Reduction (ORR) and the Direct Electrochemical Carbon Dioxide Reduction Reaction (CO <sub>2</sub> RR). Advanced Materials, 2019, 31, e1805617.	21.0	255
5	Insight into Electrochemical CO <sub>2</sub> Reduction on Surface-Molecule-Mediated Ag Nanoparticles. ACS Catalysis, 2017, 7, 779-785.	11.2	205
6	Gold catalyst reactivity for CO <sub>2</sub> electro-reduction: From nano particle to layer. Catalysis Today, 2016, 260, 107-111.	4.4	67
7	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
8	Achieving Selective and Efficient Electrocatalytic Activity for CO <sub>2</sub> Reduction Using Immobilized Silver Nanoparticles. Journal of the American Chemical Society, 2015, 137, 13844-13850.	13.7	575
9	One-pot synthesis of Pd@PdPt core-shell nanocubes on carbon supports. RSC Advances, 2014, 4, 63677-63680.	3.6	9
10	Shaped Ni nanoparticles with an unconventional hcp crystalline structure. Chemical Communications, 2014, 50, 6353.	4.1	35
11	Gold Nanoparticles-Based Colorimetric Assay for Cathepsin B Activity and the Efficiency of Its Inhibitors. Analytical Chemistry, 2014, 86, 3825-3833.	6.5	40
12	Performance of shape-controlled Pd nanoparticles in the selective hydrogenation of acetylene. Journal of Catalysis, 2013, 306, 146-154.	6.2	116
13	Applying Shape-Controlled Pt Nano-dendrites Supported on Carbon for Membrane-Electrode Assembly in a Proton Exchange Membrane Fuel Cell. Fuel Cells, 2013, 13, 889-894.	2.4	1
14	In situ shaping of Pt nanoparticles directly overgrown on carbon supports. Chemical Communications, 2012, 48, 6396.	4.1	37
15	A distinct platinum growth mode on shaped gold nanocrystals. Chemical Communications, 2012, 48, 257-259.	4.1	15
16	Shape-Controlled Nanocrystals for Catalytic Applications. Catalysis Surveys From Asia, 2012, 16, 14-27.	2.6	42
17	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
18	Top-down shaping of metal nanoparticles in solution: partially etched Au@Pt nanoparticles with unique morphology. Chemical Communications, 2011, 47, 8079.	4.1	16

#	ARTICLE	IF	CITATIONS
19	Chemical and Thermal Stability of Pt Nanocubes Synthesized with Various Surface-Capping Agents. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 233-239.	0.9	23
20	Shape- and Composition-Controlled Pt-Fe-Co Nanoparticles for Electrocatalytic Methanol Oxidation. <i>Topics in Catalysis</i> , 2010, 53, 686-693.	2.8	28
21	Electrocatalytic properties of platinum overgrown on various shapes of gold nanocrystals. <i>Journal of Molecular Catalysis A</i> , 2010, 333, 6-10.	4.8	23
22	Platinum dendrites with controlled sizes for oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2010, 12, 1596-1599.	4.7	49
23	Surface-specific overgrowth of platinum on shaped gold nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9759.	2.8	34
24	Change in the catalytic reactivity of Pt nanocubes in the presence of different surface-capping agents. <i>Catalysis Communications</i> , 2009, 10, 1305-1309.	3.3	73
25	Shape effect of Pt nanocrystals on electrocatalytic hydrogenation. <i>Catalysis Communications</i> , 2009, 11, 7-10.	3.3	36