Woojun Choi

List of Publications by Year
in descending order

14 papers	853 citations	933264 10 h-index	1281743 11 g-index
14 all docs	14 docs citations	14 times ranked	929 citing authors

#	Article	IF	Citations
1	A molecule-like PtAu24(SC6H13)18 nanocluster as an electrocatalyst for hydrogen production. Nature Communications, 2017, 8, 14723.	5.8	274
2	Lattice-Hydride Mechanism in Electrocatalytic CO₂ Reduction by Structurally Precise Copper-Hydride Nanoclusters. Journal of the American Chemical Society, 2017, 139, 9728-9736.	6.6	261
3	Effects of Metal-Doping on Hydrogen Evolution Reaction Catalyzed by MAu₂₄ and M₂Au₃₆ Nanoclusters (M = Pt, Pd). ACS Applied Materials & Interfaces, 2018, 10, 44645-44653.	4.0	81
4	Dopant-Dependent Electronic Structures Observed for M₂Au₃₆(SC₆H₁₃)₂₄ Clusters (M = Pt, Pd). Journal of Physical Chemistry Letters, 2018, 9, 982-989.	2.1	55
5	Temperature-Dependent Absorption and Ultrafast Exciton Relaxation Dynamics in MAu₂₄(SR)₁₈ Clusters (M = Pt, Hg): Role of the Central Metal Atom. Journal of Physical Chemistry C, 2016, 120, 23180-23188.	1.5	41
6	Rationally designed metal nanocluster for electrocatalytic hydrogen production from water. Journal of Materials Chemistry A, 2018, 6, 19495-19501.	5.2	37
7	Insights into the Metal-Exchange Synthesis of MAg₂₄(SR)₁₈ (M = Ni, Pd, Pt) Nanoclusters. Chemistry of Materials, 2020, 32, 10216-10226.	3.2	35
8	Controlled syngas production by electrocatalytic CO2 reduction on formulated Au25(SR)18 and PtAu24(SR)18 nanoclusters. Journal of Chemical Physics, 2021, 155, 014305.	1.2	24
9	Efficient Oxygen Reduction Electrocatalysts Based on Gold Nanoclusterâ€“Graphene Composites. ChemElectroChem, 2016, 3, 1253-1260.	1.7	22
10	Electrocatalytic Oxygen Reduction by Dopantâ€free, Porous Graphene Aerogel. Electroanalysis, 2018, 30, 1472-1478.	1.5	13
11	Promotion of alkaline hydrogen production via Niâ€doping of atomically precise Ag nanoclusters. Bulletin of the Korean Chemical Society, 2021, 42, 1672-1677.	1.0	10
12	Effects of Metal-Doping and Surface Modification on Hydrogen Production Activity of Metal Nanoclusters. ECS Meeting Abstracts, 2019, , .	0.0	0
13	Electrocatalytic Activities of Atomically Controlled Metal Nanoclusters for Clean Energy Conversion. ECS Meeting Abstracts, 2019, , .	0.0	0
14	Ultrasmall Metal Nanoclusters As Bifuntional Electrocatalysts for Overall Water Splitting. ECS Meeting Abstracts, 2019, , .	0.0	0