Kyuju Kwak

List of Publications by Year
in descending order

19 papers	2,175 citations	394421 19 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	2156 citing authors

#	Article	IF	Citations
1	Over a 15.9% Solar-to-CO Conversion from Dilute CO₂ Streams Catalyzed by Gold Nanoclusters Exhibiting a High CO₂ Binding Affinity. ACS Energy Letters, 2020, 5, 749-757.	17.4	103
2	Ultrafast Electron Dynamics in Thiolate-Protected Plasmonic Gold Clusters: Size and Ligand Effect. Journal of Physical Chemistry C, 2019, 123, 13344-13353.	3.1	26
3	Electrochemistry of Atomically Precise Metal Nanoclusters. Accounts of Chemical Research, 2019, 52, 12-22.	15.6	288
4	Dopant-Dependent Electronic Structures Observed for M₂Au₃₆(SC₆H₁₃)₂₄ Clusters (M = Pt, Pd). Journal of Physical Chemistry Letters, 2018, 9, 982-989.	4.6	55
5	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.	8.0	81
6	Rationally designed metal nanocluster for electrocatalytic hydrogen production from water. Journal of Materials Chemistry A, 2018, 6, 19495-19501.	10.3	37
7	A molecule-like PtAu24(SC6H13)18 nanocluster as an electrocatalyst for hydrogen production. Nature Communications, 2017, 8, 14723.	12.8	274
8	Energy Gap Law for Exciton Dynamics in Gold Cluster Molecules. Journal of Physical Chemistry Letters, 2017, 8, 4898-4905.	4.6	85
9	Efficient Oxygen Reduction Electrocatalysts Based on Gold Nanoclusterâ€“Graphene Composites. ChemElectroChem, 2016, 3, 1253-1260.	3.4	22
10	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.	3.1	41
11	Interconversion between Superatomic 6-Electron and 8-Electron Configurations of M@Au₂₄(SR)₁₈ Clusters (M = Pd, Pt). Journal of the American Chemical Society, 2015, 137, 10833-10840.	13.7	183
12	Ultrabright Luminescence from Gold Nanoclusters: Rigidifying the Au(I)â€“Thiolate Shell. Journal of the American Chemical Society, 2015, 137, 8244-8250.	13.7	467
13	Ionic Liquid of a Gold Nanocluster: A Versatile Matrix for Electrochemical Biosensors. ACS Nano, 2014, 8, 671-679.	14.6	131
14	Comparative Electrochemical and Photophysical Studies of Tetrathiafulvaleneâ€Annulated Porphyrins and Their Zn^{II} Complexes: The Effect of Metalation and Structural Variation. Chemistry - A European Journal, 2013, 19, 338-349.	3.3	20
15	Selective determination of dopamine using quantum-sized gold nanoparticles protected with charge selective ligands. Nanoscale, 2012, 4, 4240.	5.6	55
16	Electrochemical Characterization of Water-Soluble Au₂₅ Nanoclusters Enabled by Phase-Transfer Reaction. Journal of Physical Chemistry Letters, 2012, 3, 2476-2481.	4.6	55
17	Electrochemical Sensing Using Quantum-Sized Gold Nanoparticles. Analytical Chemistry, 2011, 83, 3244-3247.	6.5	101
18	Amperometric Sensing Based on Glutathione Protected Au₂₅ Nanoparticles and Their pH Dependent Electrocatalytic Activity. Electroanalysis, 2011, 23, 2116-2124.	2.9	35

#	Article	IF	Citations
19	Directional Electron Transfer in Chromophore-Labeled Quantum-Sized Au₂₅ Clusters: Au₂₅ as an Electron Donor. Journal of Physical Chemistry Letters, 2010, 1, 1497-1503.	4.6	116