

Kyuju Kwak

List of Publications by Year in descending order

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19
papers

2,175
citations

394286

19
h-index

794469

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 CO ₂ Streams Catalyzed by Gold Nanoclusters Exhibiting a High CO ₂ Binding Affinity. ACS Energy Letters, 2020, 5, 749-757.	8.8	103
2	Ultrafast Electron Dynamics in Thiolate-Protected Plasmonic Gold Clusters: Size and Ligand Effect. Journal of Physical Chemistry C, 2019, 123, 13344-13353.	1.5	26
3	Electrochemistry of Atomically Precise Metal Nanoclusters. Accounts of Chemical Research, 2019, 52, 12-22.	7.6	288
4	Dopant-Dependent Electronic Structures Observed for M ₂ Au ₃₆ (SC ₆ H ₁₃) ₂₄ Clusters (M = Pt, Pd). Journal of Physical Chemistry Letters, 2018, 9, 982-989.	2.1	55
5	Effects of Metal-Doping on Hydrogen Evolution Reaction Catalyzed by MAu ₂₄ and M ₂ Au ₃₆ Nanoclusters (M = Pt, Pd). ACS Applied Materials & Interfaces, 2018, 10, 44645-44653.	4.0	81
6	Rationally designed metal nanocluster for electrocatalytic hydrogen production from water. Journal of Materials Chemistry A, 2018, 6, 19495-19501.	5.2	37
7	A molecule-like PtAu ₂₄ (SC ₆ H ₁₃) ₁₈ nanocluster as an electrocatalyst for hydrogen production. Nature Communications, 2017, 8, 14723.	5.8	274
8	Energy Gap Law for Exciton Dynamics in Gold Cluster Molecules. Journal of Physical Chemistry Letters, 2017, 8, 4898-4905.	2.1	85
9	Efficient Oxygen Reduction Electrocatalysts Based on Gold Nanocluster@Graphene Composites. ChemElectroChem, 2016, 3, 1253-1260.	1.7	22
10	Temperature-Dependent Absorption and Ultrafast Exciton Relaxation Dynamics in MAu ₂₄ (SR) ₁₈ Clusters (M = Pt, Hg): Role of the Central Metal Atom. Journal of Physical Chemistry C, 2016, 120, 23180-23188.	1.5	41
11	Interconversion between Superatomic 6-Electron and 8-Electron Configurations of M@Au ₂₄ (SR) ₁₈ Clusters (M = Pd, Pt). Journal of the American Chemical Society, 2015, 137, 10833-10840.	6.6	183
12	Ultrabright Luminescence from Gold Nanoclusters: Rigidifying the Au(I)@Thiolate Shell. Journal of the American Chemical Society, 2015, 137, 8244-8250.	6.6	467
13	Ionic Liquid of a Gold Nanocluster: A Versatile Matrix for Electrochemical Biosensors. ACS Nano, 2014, 8, 671-679.	7.3	131
14	Comparative Electrochemical and Photophysical Studies of Tetrathiafulvalene@Annulated Porphyrins and Their Zn ^{II} Complexes: The Effect of Metalation and Structural Variation. Chemistry - A European Journal, 2013, 19, 338-349.	1.7	20
15	Selective determination of dopamine using quantum-sized gold nanoparticles protected with charge selective ligands. Nanoscale, 2012, 4, 4240.	2.8	55
16	Electrochemical Characterization of Water-Soluble Au ₂₅ Nanoclusters Enabled by Phase-Transfer Reaction. Journal of Physical Chemistry Letters, 2012, 3, 2476-2481.	2.1	55
17	Electrochemical Sensing Using Quantum-Sized Gold Nanoparticles. Analytical Chemistry, 2011, 83, 3244-3247.	3.2	101
18	Amperometric Sensing Based on Glutathione Protected Au ₂₅ Nanoparticles and Their pH Dependent Electrocatalytic Activity. Electroanalysis, 2011, 23, 2116-2124.	1.5	35

#	ARTICLE	IF	CITATIONS
19	Directional Electron Transfer in Chromophore-Labeled Quantum-Sized Au ₂₅ Clusters: Au ₂₅ as an Electron Donor. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1497-1503.	2.1	116