

Kyuju Kwak

List of Publications by Year in descending order

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19
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2,175
citations

394421

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794594

19
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all docs

19
docs citations

19
times ranked

2156
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrabright Luminescence from Gold Nanoclusters: Rigidifying the Au(I)–Thiolate Shell. <i>Journal of the American Chemical Society</i> , 2015, 137, 8244-8250.	13.7	467
2	Electrochemistry of Atomically Precise Metal Nanoclusters. <i>Accounts of Chemical Research</i> , 2019, 52, 12-22.	15.6	288
3	A molecule-like PtAu ₂₄ (SC ₆ H ₁₃) ₁₈ nanocluster as an electrocatalyst for hydrogen production. <i>Nature Communications</i> , 2017, 8, 14723.	12.8	274
4	Interconversion between Superatomic 6-Electron and 8-Electron Configurations of M@Au ₂₄ (SR) ₁₈ Clusters (M = Pd, Pt). <i>Journal of the American Chemical Society</i> , 2015, 137, 10833-10840.	13.7	183
5	Ionic Liquid of a Gold Nanocluster: A Versatile Matrix for Electrochemical Biosensors. <i>ACS Nano</i> , 2014, 8, 671-679.	14.6	131
6	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.	4.6	116
7	Over a 15.9% Solar-to-CO Conversion from Dilute CO ₂ Streams Catalyzed by Gold Nanoclusters Exhibiting a High CO ₂ Binding Affinity. <i>ACS Energy Letters</i> , 2020, 5, 749-757.	17.4	103
8	Electrochemical Sensing Using Quantum-Sized Gold Nanoparticles. <i>Analytical Chemistry</i> , 2011, 83, 3244-3247.	6.5	101
9	Energy Gap Law for Exciton Dynamics in Gold Cluster Molecules. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4898-4905.	4.6	85
10	Effects of Metal-Doping on Hydrogen Evolution Reaction Catalyzed by MAu ₂₄ and M ₂ Au ₃₆ Nanoclusters (M = Pt, Pd). <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44645-44653.	8.0	81
11	Selective determination of dopamine using quantum-sized gold nanoparticles protected with charge selective ligands. <i>Nanoscale</i> , 2012, 4, 4240.	5.6	55
12	Electrochemical Characterization of Water-Soluble Au ₂₅ Nanoclusters Enabled by Phase-Transfer Reaction. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2476-2481.	4.6	55
13	Dopant-Dependent Electronic Structures Observed for M ₂ Au ₃₆ (SC ₆ H ₁₃) ₁₃ Clusters (M = Pt, Pd). <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 982-989.	4.6	55
14	Temperature-Dependent Absorption and Ultrafast Exciton Relaxation Dynamics in MAu ₂₄ (SR) ₁₈ Clusters (M = Pt, Hg): Role of the Central Metal Atom. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23180-23188.	3.1	41
15	Rationally designed metal nanocluster for electrocatalytic hydrogen production from water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19495-19501.	10.3	37
16	Amperometric Sensing Based on Glutathione Protected Au ₂₅ Nanoparticles and Their pH Dependent Electrocatalytic Activity. <i>Electroanalysis</i> , 2011, 23, 2116-2124.	2.9	35
17	Ultrafast Electron Dynamics in Thiolate-Protected Plasmonic Gold Clusters: Size and Ligand Effect. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13344-13353.	3.1	26
18	Efficient Oxygen Reduction Electrocatalysts Based on Gold Nanocluster–Graphene Composites. <i>ChemElectroChem</i> , 2016, 3, 1253-1260.	3.4	22

#	ARTICLE	IF	CITATIONS
19	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.	3.3	20