

# 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	Ultrabright Luminescence from Gold Nanoclusters: Rigidifying the Au(I)â€“Thiolate Shell. <i>Journal of the American Chemical Society</i> , 2015, 137, 8244-8250.	6.6	467
2	Electrochemistry of Atomically Precise Metal Nanoclusters. <i>Accounts of Chemical Research</i> , 2019, 52, 12-22.	7.6	288
3	A molecule-like PtAu <sub>24</sub> (SC <sub>6</sub> H <sub>13</sub> ) <sub>18</sub> nanocluster as an electrocatalyst for hydrogen production. <i>Nature Communications</i> , 2017, 8, 14723.	5.8	274
4	Interconversion between Superatomic 6-Electron and 8-Electron Configurations of M@Au <sub>24</sub> (SR) <sub>18</sub> Clusters (M = Pd, Pt). <i>Journal of the American Chemical Society</i> , 2015, 137, 10833-10840.	6.6	183
5	Ionic Liquid of a Gold Nanocluster: A Versatile Matrix for Electrochemical Biosensors. <i>ACS Nano</i> , 2014, 8, 671-679.	7.3	131
6	Directional Electron Transfer in Chromophore-Labeled Quantum-Sized Au <sub>25</sub> Clusters: Au <sub>25</sub> as an Electron Donor. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1497-1503.	2.1	116
7	Over a 15.9% Solar-to-CO Conversion from Dilute CO <sub>2</sub> Streams Catalyzed by Gold Nanoclusters Exhibiting a High CO <sub>2</sub> Binding Affinity. <i>ACS Energy Letters</i> , 2020, 5, 749-757.	8.8	103
8	Electrochemical Sensing Using Quantum-Sized Gold Nanoparticles. <i>Analytical Chemistry</i> , 2011, 83, 3244-3247.	3.2	101
9	Energy Gap Law for Exciton Dynamics in Gold Cluster Molecules. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4898-4905.	2.1	85
10	Effects of Metal-Doping on Hydrogen Evolution Reaction Catalyzed by MAu <sub>24</sub> and M <sub>2</sub> Au <sub>36</sub> Nanoclusters (M = Pt, Pd). <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 44645-44653.	4.0	81
11	Selective determination of dopamine using quantum-sized gold nanoparticles protected with charge selective ligands. <i>Nanoscale</i> , 2012, 4, 4240.	2.8	55
12	Electrochemical Characterization of Water-Soluble Au <sub>25</sub> Nanoclusters Enabled by Phase-Transfer Reaction. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2476-2481.	2.1	55
13	Dopant-Dependent Electronic Structures Observed for M <sub>2</sub> Au <sub>36</sub> (SC <sub>6</sub> H <sub>13</sub> ) <sub>13</sub> Clusters (M = Pt, Pd). <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 982-989.	2.1	55
14	Temperature-Dependent Absorption and Ultrafast Exciton Relaxation Dynamics in MAu <sub>24</sub> (SR) <sub>18</sub> Clusters (M = Pt, Hg): Role of the Central Metal Atom. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23180-23188.	1.5	41
15	Rationally designed metal nanocluster for electrocatalytic hydrogen production from water. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19495-19501.	5.2	37
16	Amperometric Sensing Based on Glutathione Protected Au <sub>25</sub> Nanoparticles and Their pH Dependent Electrocatalytic Activity. <i>Electroanalysis</i> , 2011, 23, 2116-2124.	1.5	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.	1.5	26
18	Efficient Oxygen Reduction Electrocatalysts Based on Gold Nanoclusterâ€“Graphene Composites. <i>ChemElectroChem</i> , 2016, 3, 1253-1260.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Comparative Electrochemical and Photophysical Studies of Tetrathiafulvalene-Annulated Porphyrins and Their Zn <sup>II</sup> Complexes: The Effect of Metalation and Structural Variation. Chemistry - A European Journal, 2013, 19, 338-349.	1.7	20