

# Donghwan

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

432  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

885  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facet-controlled hollow Rh <sub>2</sub> S <sub>3</sub> hexagonal nanoprisms as highly active and structurally robust catalysts toward hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2016, 9, 850-856.	30.8	118
2	Cactus-Like Hollow Cu <sub>2</sub> S@Ru Nanoplates as Excellent and Robust Electrocatalysts for the Alkaline Hydrogen Evolution Reaction. <i>Small</i> , 2017, 13, 1700052.	10.0	86
3	RhCu 3D Nanoframe as a Highly Active Electrocatalyst for Oxygen Evolution Reaction under Alkaline Condition. <i>Advanced Science</i> , 2016, 3, 1500252.	11.2	48
4	One pot synthesis of octahedral {111} CuIr gradient alloy nanocrystals with a Cu-rich core and an Ir-rich surface and their usage as efficient water splitting catalyst. <i>CrystEngComm</i> , 2015, 17, 6843-6847.	2.6	37
5	Scalable synthesis of djurleite copper sulphide (Cu <sub>1.94</sub> S) hexagonal nanoplates from a single precursor copper thiocyanate and their photothermal properties. <i>CrystEngComm</i> , 2015, 17, 4627-4631.	2.6	36
6	Morphological evolution of 2D Rh nanoplates to 3D Rh concave nanotents, hierarchically stacked nanoframes, and hierarchical dendrites. <i>Nanoscale</i> , 2015, 7, 3460-3465.	5.6	22
7	One pot synthesis of hollow Cu-doped Ru octahedral nanocages via an in situ generated metastable Cu nanoparticle template. <i>Nanoscale</i> , 2014, 6, 12397-12402.	5.6	21
8	Formation of double layer hollow nanostars of Pd/CuIr by utilizing a Kirkendall effect and a facile Cu atom movement along twinning boundaries and their usage as efficient water splitting catalysts. <i>CrystEngComm</i> , 2015, 17, 4084-4088.	2.6	18
9	Plasmon Enhanced Direct Bandgap Emissions in Cu <sub>7</sub> S <sub>4</sub> @Au <sub>2</sub> S@Au Nanorings. <i>Small</i> , 2016, 12, 5728-5733.	10.0	16
10	Formation of a Cu@RhRu core-shell concave nanooctahedron via Ru-assisted extraction of Rh from the Cu matrix and its excellent electrocatalytic activity toward the oxygen evolution reaction. <i>Nanoscale</i> , 2015, 7, 15065-15069.	5.6	14
11	Synthesis of size-controlled PtCu@Ru nanorattles via Pt seed-assisted formation of size-controlled removable Cu template. <i>CrystEngComm</i> , 2015, 17, 6852-6856.	2.6	13
12	One step synthesis of hierarchical dendritic Pt nanostructures with a concave Pt octahedron building unit via simultaneous vertex growth and facet etching. <i>CrystEngComm</i> , 2015, 17, 6848-6851.	2.6	3