

Donghwan Yoon

List of Publications by Year in descending order

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12
papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Facet-controlled hollow Rh ₂ S ₃ 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 ₂ 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 _{1.94} 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 ₇ S ₄ @Au ₂ 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 |