

Ho Young Kim

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,579
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

2930
citing authors

#	ARTICLE	IF	CITATIONS
1	Cloaking nanoparticles with protein corona shield for targeted drug delivery. <i>Nature Communications</i> , 2018, 9, 4548.	12.8	297
2	Hollow nanoparticles as emerging electrocatalysts for renewable energy conversion reactions. <i>Chemical Society Reviews</i> , 2018, 47, 8173-8202.	38.1	222
3	Monolayer-Precision Synthesis of Molybdenum Sulfide Nanoparticles and Their Nanoscale Size Effects in the Hydrogen Evolution Reaction. <i>ACS Nano</i> , 2015, 9, 3728-3739.	14.6	201
4	Vertex-Reinforced PtCuCo Ternary Nanoframes as Efficient and Stable Electrocatalysts for the Oxygen Reduction Reaction and the Methanol Oxidation Reaction. <i>Advanced Functional Materials</i> , 2018, 28, 1706440.	14.9	161
5	Intermetallic PtCu Nanoframes as Efficient Oxygen Reduction Electrocatalysts. <i>Nano Letters</i> , 2020, 20, 7413-7421.	9.1	109
6	Activity Origin and Multifunctionality of Pt-Based Intermetallic Nanostructures for Efficient Electrocatalysis. <i>ACS Catalysis</i> , 2019, 9, 11242-11254.	11.2	96
7	Topotactic Transformations in an Icosahedral Nanocrystal to Form Efficient Water-Splitting Catalysts. <i>Advanced Materials</i> , 2019, 31, e1805546.	21.0	76
8	Self-Supported Mesoporous Pt-Based Bimetallic Nanospheres Containing an Intermetallic Phase as Ultrastable Oxygen Reduction Electrocatalysts. <i>Small</i> , 2016, 12, 5347-5353.	10.0	72
9	Recent advances in nanostructured intermetallic electrocatalysts for renewable energy conversion reactions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8195-8217.	10.3	64
10	Noncovalent Surface Locking of Mesoporous Silica Nanoparticles for Exceptionally High Hydrophobic Drug Loading and Enhanced Colloidal Stability. <i>Biomacromolecules</i> , 2015, 16, 2701-2714.	5.4	55
11	Nanodendrites of platinum-group metals for electrocatalytic applications. <i>Nano Research</i> , 2018, 11, 6111-6140.	10.4	54
12	Ni@Ru and NiCo@Ru Core-Shell Hexagonal Nanosandwiches with a Compositionally Tunable Core and a Regioselectively Grown Shell. <i>Small</i> , 2018, 14, 1702353.	10.0	50
13	Conformation-modulated three-dimensional electrocatalysts for high-performance fuel cell electrodes. <i>Science Advances</i> , 2021, 7, .	10.3	27
14	Ternary dendritic nanowires as highly active and stable multifunctional electrocatalysts. <i>Nanoscale</i> , 2016, 8, 15167-15172.	5.6	23
15	Effects of porous carbon additives on the CO ₂ absorption performance of lithium orthosilicate. <i>Thermochimica Acta</i> , 2016, 637, 31-37.	2.7	20
16	Pt-based Intermetallic Nanocatalysts for Promoting the Oxygen Reduction Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 724-736.	1.9	17
17	Multimetallic nanostructures for electrocatalytic oxygen evolution reaction in acidic media. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4445-4473.	5.9	14
18	Boosting antioxidation efficiency of nonstoichiometric CeO _x nanoparticles via surface passivation toward robust polymer electrolyte membrane fuel cells. <i>Chemical Engineering Journal</i> , 2022, 432, 134419.	12.7	10

#	ARTICLE	IF	CITATIONS
19	Structural Evolution of Atomically Dispersed Fe Species in Fe ⁰ /N/C Catalysts Probed by X-ray Absorption and ⁵⁷ Fe Mössbauer Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11928-11938.	3.1	9
20	Water Splitting: Topotactic Transformations in an Icosahedral Nanocrystal to Form Efficient Water-Splitting Catalysts (<i>Adv. Mater.</i> 1/2019). <i>Advanced Materials</i> , 2019, 31, 1970002.	21.0	2