Ho Young Kim

List of Publications by Year
in descending order

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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	Boosting antioxidation efficiency of nonstoichiometric CeOx nanoparticles via surface passivation toward robust polymer electrolyte membrane fuel cells. Chemical Engineering Journal, 2022, 432, 134419.	12.7	10
2	Multimetallic nanostructures for electrocatalytic oxygen evolution reaction in acidic media. Materials Chemistry Frontiers, 2021, 5, 4445-4473.	5.9	14
3	<scp>Ptâ€based</scp> Intermetallic Nanocatalysts for Promoting the Oxygen Reduction Reaction. Bulletin of the Korean Chemical Society, 2021, 42, 724-736.	1.9	17
4	Structural Evolution of Atomically Dispersed Fe Species in Feâ€“N/C Catalysts Probed by X-ray Absorption and ⁵⁷Fe MÅ¶ssbauer Spectroscopies. Journal of Physical Chemistry C, 2021, 125, 11928-11938.	3.1	9
5	Conformation-modulated three-dimensional electrocatalysts for high-performance fuel cell electrodes. Science Advances, 2021, 7, .	10.3	27
6	Intermetallic PtCu Nanoframes as Efficient Oxygen Reduction Electrocatalysts. Nano Letters, 2020, 20, 7413-7421.	9.1	109
7	Recent advances in nanostructured intermetallic electrocatalysts for renewable energy conversion reactions. Journal of Materials Chemistry A, 2020, 8, 8195-8217.	10.3	64
8	Activity Origin and Multifunctionality of Pt-Based Intermetallic Nanostructures for Efficient Electrocatalysis. ACS Catalysis, 2019, 9, 11242-11254.	11.2	96
9	Water Splitting: Topotactic Transformations in an Icosahedral Nanocrystal to Form Efficient Water-Splitting Catalysts (Adv. Mater. 1/2019). Advanced Materials, 2019, 31, 1970002.	21.0	2
10	Topotactic Transformations in an Icosahedral Nanocrystal to Form Efficient Waterâ€Splitting Catalysts. Advanced Materials, 2019, 31, e1805546.	21.0	76
11	Vertexâ€Reinforced PtCuCo Ternary Nanoframes as Efficient and Stable Electrocatalysts for the Oxygen Reduction Reaction and the Methanol Oxidation Reaction. Advanced Functional Materials, 2018, 28, 1706440.	14.9	161
12	Ni@Ru and NiCo@Ru Coreâ€“Shell Hexagonal Nanosandwiches with a Compositionally Tunable Core and a Regioselectively Grown Shell. Small, 2018, 14, 1702353.	10.0	50
13	Cloaking nanoparticles with protein corona shield for targeted drug delivery. Nature Communications, 2018, 9, 4548.	12.8	297
14	Hollow nanoparticles as emerging electrocatalysts for renewable energy conversion reactions. Chemical Society Reviews, 2018, 47, 8173-8202.	38.1	222
15	Nanodendrites of platinum-group metals for electrocatalytic applications. Nano Research, 2018, 11, 6111-6140.	10.4	54
16	Ternary dendritic nanowires as highly active and stable multifunctional electrocatalysts. Nanoscale, 2016, 8, 15167-15172.	5.6	23
17	Self-Supported Mesostructured Pt-Based Bimetallic Nanospheres Containing an Intermetallic Phase as Ultrastable Oxygen Reduction Electrocatalysts. Small, 2016, 12, 5347-5353.	10.0	72
18	Effects of porous carbon additives on the CO2 absorption performance of lithium orthosilicate. Thermochimica Acta, 2016, 637, 31-37.	2.7	20

#	Article	IF	Citations
19	Noncovalent Surface Locking of Mesoporous Silica Nanoparticles for Exceptionally High Hydrophobic Drug Loading and Enhanced Colloidal Stability. Biomacromolecules, 2015, 16, 2701-2714.	5.4	55
20	Monolayer-Precision Synthesis of Molybdenum Sulfide Nanoparticles and Their Nanoscale Size Effects in the Hydrogen Evolution Reaction. ACS Nano, 2015, 9, 3728-3739.	14.6	201