

Taekyung Kim

List of Publications by Year in descending order

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17
papers

1,054
citations

759233

12
h-index

888059

17
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docs citations

17
times ranked

1514
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphologyâ€Controlled Metal Sulfides and Phosphides for Electrochemical Water Splitting. <i>Advanced Materials</i> , 2019, 31, e1806682.	21.0	500
2	Gaâ€Based Liquid Metal Micro/Nanoparticles: Recent Advances and Applications. <i>Small</i> , 2020, 16, e1903391.	10.0	140
3	Transition metal dichalcogenide-decorated MXenes: promising hybrid electrodes for energy storage and conversion applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3298-3321.	5.9	66
4	Recent Advances in Transition Metal Phosphide Electrocatalysts for Water Splitting under Neutral pH Conditions. <i>ChemElectroChem</i> , 2020, 7, 3578-3589.	3.4	63
5	Modulating the Local Coordination Environment of Singleâ€Atom Catalysts for Enhanced Catalytic Performance in Hydrogen/Oxygen Evolution Reaction. <i>Small</i> , 2022, 18, e2105680.	10.0	56
6	Pt Dopant: Controlling the Ir Oxidation States toward Efficient and Durable Oxygen Evolution Reaction in Acidic Media. <i>Advanced Functional Materials</i> , 2020, 30, 2003935.	14.9	50
7	A facet-controlled Rh ₃ Pb ₂ S ₂ nanocage as an efficient and robust electrocatalyst toward the hydrogen evolution reaction. <i>Nanoscale</i> , 2018, 10, 9845-9850.	5.6	28
8	Interfacing RuO ₂ with Pt to induce efficient charge transfer from Pt to RuO ₂ for highly efficient and stable oxygen evolution in acidic media. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14352-14362.	10.3	25
9	Dopants in the Design of Noble Metal Nanoparticle Electrocatalysts and their Effect on Surface Energy and Coordination Chemistry at the Nanocrystal Surface. <i>Advanced Energy Materials</i> , 2021, 11, 2100265.	19.5	25
10	Highly Crystalline Hollow Toroidal Copper Phosphosulfide <i>via</i> Anion Exchange: A Versatile Cation Exchange Nanoplatfom. <i>ACS Nano</i> , 2020, 14, 11205-11214.	14.6	24
11	Janus to Coreâ€Shell to Janus: Facile Cation Movement in Cu ₂ S/Ag ₂ S Hexagonal Nanoplates Induced by Surface Strain Control. <i>ACS Nano</i> , 2019, 13, 11834-11842.	14.6	23
12	Dopant-Assisted Control of the Crystallite Domain Size in Hollow Ternary Iridium Alloy Octahedral Nanocages toward the Oxygen Evolution Reaction. <i>Cell Reports Physical Science</i> , 2020, 1, 100260.	5.6	14
13	Multimetallic nanostructures for electrocatalytic oxygen evolution reaction in acidic media. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4445-4473.	5.9	14
14	Pyrazine-based hollow spherical self-assemblies: A portable tool for detection of volatile organic amines. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130110.	7.8	12
15	Stacked CdTe/CdS Nanodiscs via Intraparticle Migration of CdTe on CdS. <i>Chemistry of Materials</i> , 2020, 32, 10104-10112.	6.7	5
16	Facile oneâ€step synthesis of Ru doped NiCoP nanoparticles as highly efficient electrocatalysts for oxygen evolution reaction. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3630-3635.	3.3	5
17	Electrocatalysts: Pt Dopant: Controlling the Ir Oxidation States toward Efficient and Durable Oxygen Evolution Reaction in Acidic Media (<i>Adv. Funct. Mater.</i> 38/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070253.	14.9	4