

Jiseok Kwon

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,432
citations

471509

17
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

2296
citing authors

#	ARTICLE	IF	CITATIONS
1	Advantageous crystalline–amorphous phase boundary for enhanced electrochemical water oxidation. <i>Energy and Environmental Science</i> , 2019, 12, 2443-2454.	30.8	315
2	Unusual Na ⁺ Ion Intercalation/Deintercalation in Metal-Rich Cu _{1.8} S for Na-Ion Batteries. <i>ACS Nano</i> , 2018, 12, 2827-2837.	14.6	123
3	Amorphous Nickel–Iron Borophosphate for a Robust and Efficient Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2021, 11, 2100624.	19.5	120
4	Parallelized Reaction Pathway and Stronger Internal Band Bending by Partial Oxidation of Metal Sulfide–Graphene Composites: Important Factors of Synergistic Oxygen Evolution Reaction Enhancement. <i>ACS Catalysis</i> , 2018, 8, 4091-4102.	11.2	116
5	Copper Nitride Nanowires Printed Li with Stable Cycling for Li Metal Batteries in Carbonate Electrolytes. <i>Advanced Materials</i> , 2020, 32, e1905573.	21.0	105
6	Synergistic protective effect of a BN-carbon separator for highly stable lithium sulfur batteries. <i>NPG Asia Materials</i> , 2017, 9, e375-e375.	7.9	85
7	Chemical and structural engineering of transition metal boride towards excellent and sustainable hydrogen evolution reaction. <i>Nano Energy</i> , 2020, 67, 104245.	16.0	79
8	Electronically Double-Layered Metal Boride Hollow Nanoprism as an Excellent and Robust Water Oxidation Electrocatalysts. <i>Advanced Energy Materials</i> , 2019, 9, 1803799.	19.5	74
9	Current Status of Self-Supported Catalysts for Robust and Efficient Water Splitting for Commercial Electrolyzer. <i>ChemCatChem</i> , 2019, 11, 5898-5912.	3.7	47
10	Boosting oxygen evolution reaction of transition metal layered double hydroxide by metalloid incorporation. <i>Nano Energy</i> , 2020, 75, 104945.	16.0	47
11	Microstructural control of new intercalation layered titanoniobates with large and reversible d-spacing for easy Na ⁺ ion uptake. <i>Science Advances</i> , 2017, 3, e1700509.	10.3	42
12	Simultaneous electrical and defect engineering of nickel iron metal-organic-framework via co-doping of metalloid and non-metal elements for a highly efficient oxygen evolution reaction. <i>Chemical Engineering Journal</i> , 2022, 439, 135720.	12.7	41
13	WO ₃ /W:BiVO ₄ /BiVO ₄ graded photoabsorber electrode for enhanced photoelectrocatalytic solar light driven water oxidation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4648-4655.	2.8	38
14	Two-dimensional Nafion nanoweb anion-shield for improved electrochemical performances of lithium–sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11203-11206.	10.3	35
15	Highly efficient and stable bifunctional electrocatalysts with decoupled active sites for hydrogen evolution and oxygen reduction reactions. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120530.	20.2	29
16	Self-supported vanadium-incorporated cobalt phosphide as a highly efficient bifunctional electrocatalyst for water splitting. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156350.	5.5	23
17	Partial Dehydration in Hydrated Tungsten Oxide Nanoplates Leads to Excellent and Robust Bifunctional Oxygen Reduction and Hydrogen Evolution Reactions in Acidic Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9507-9518.	6.7	23
18	WO ₃ nanofibrous backbone scaffolds for enhanced optical absorbance and charge transport in metal oxide (Fe ₂ O ₃ , BiVO ₄) semiconductor photoanodes towards solar fuel generation. <i>Applied Surface Science</i> , 2018, 447, 331-337.	6.1	18

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19	Facile Growth of Metal-Rich Cu _{1.75} S and Cu _{1.8} S Microspheres Assembled with Mesoporous Nanosheets and Their Application in Na-Ion Batteries. <i>Crystal Growth and Design</i> , 2020, 20, 3325-3333.	3.0	15
20	Engineering [Fe(CN) ₆] ³⁻ vacancy via free-chelating agents in Prussian blue analogues on reduced graphene oxide for efficient oxygen evolution reaction. <i>Applied Surface Science</i> , 2022, 574, 151620.	6.1	15
21	Synthesis of transition metal sulfide and reduced graphene oxide hybrids as efficient electrocatalysts for oxygen evolution reactions. <i>Royal Society Open Science</i> , 2018, 5, 180927.	2.4	14
22	Strategy to utilize amorphous phase of semiconductor toward excellent and reliable photochemical water splitting performance: Roles of interface dipole moment and reaction parallelization. <i>International Journal of Energy Research</i> , 2022, 46, 3674-3685.	4.5	5
23	Self-adaptive evolution of nickel silicide nanowires for the enhancement of bifunctional electrocatalytic activities. <i>Chemical Engineering Journal</i> , 2022, 434, 134668.	12.7	5
24	Toward Functional 3D Architected Platform: Advanced Approach to Anchor Functional Metal Oxide onto 3D Printed Scaffold. <i>Advanced Engineering Materials</i> , 2018, 20, 1700901.	3.5	4