

Byeong Cheul Moon

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

282
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

465
citing authors

#	ARTICLE	IF	CITATIONS
1	Triphasic Metal Oxide Photocatalyst for Reaction Site-Specific Production of Hydrogen Peroxide from Oxygen Reduction and Water Oxidation. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	17
2	Collaborative Electrochemical Oxidation of the Alcohol and Aldehyde Groups of 5-Hydroxymethylfurfural by NiOOH and Cu(OH) ₂ for Superior 2,5-Furandicarboxylic Acid Production. <i>ACS Catalysis</i> , 2022, 12, 4078-4091.	11.2	45
3	Strain-Induced Metallization and Defect Suppression at Zipper-like Interdigitated Atomically Thin Interfaces Enabling High-Efficiency Halide Perovskite Solar Cells. <i>ACS Nano</i> , 2021, 15, 1805-1816.	14.6	15
4	Controlled Synthesis of Nanocrystalline Nb:SrTiO ₃ Electron Transport Layers for Robust Interfaces and Stable High Photovoltaic Energy Conversion Efficiency in Perovskite Halide Solar Cells. <i>ACS Applied Energy Materials</i> , 2020, 3, 344-351.	5.1	24
5	TiO ₂ /halide perovskite interface: The impact of surface state passivation on energy alignment and photovoltaic performance of perovskite solar cells. <i>Applied Surface Science</i> , 2020, 512, 145666.	6.1	11
6	Cobalt-Phosphate Catalysts with Reduced Bivalent Co-Ion States and Doped Nitrogen Atoms Playing as Active Sites for Facile Adsorption, Fast Charge Transfer, and Robust Stability in Photoelectrochemical Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44366-44374.	8.0	13
7	Ultrafine Metallic Nickel Domains and Reduced Molybdenum States Improve Oxygen Evolution Reaction of NiFeMo Electrocatalysts. <i>Small</i> , 2019, 15, e1804764.	10.0	35
8	Plasma-mediated fabrication of ultrathin NiAl nanosheets having rich oxygen vacancies and doped nitrogen sites and their utilization for high activity and robust stability in photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23283-23288.	10.3	23
9	Quadruple metal-based layered structure as the photocatalyst for conversion of carbon dioxide into a value added carbon monoxide with high selectivity and efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8274-8279.	10.3	20
10	Size-controlled CdSe quantum dots to boost light harvesting capability and stability of perovskite photovoltaic cells. <i>Nanoscale</i> , 2017, 9, 10075-10083.	5.6	24
11	Broadband Light Absorption and Efficient Charge Separation Using a Light Scattering Layer with Mixed Cavities for High-Performance Perovskite Photovoltaic Cells with Stability. <i>Small</i> , 2017, 13, 1700418.	10.0	13
12	Encapsulation of redox polysulphides via chemical interaction with nitrogen atoms in the organic linkers of metal-organic framework nanocrystals. <i>Scientific Reports</i> , 2016, 6, 25555.	3.3	41