

Jaemin Park

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Chemically Stable Semitransparent Perovskite Solar Cells with High Hydrogen Generation Rates Based on Photovoltaic-Photoelectrochemical Tandem Cells. <i>Advanced Photonics Research</i> , 2022, 3, .	3.6	0
2	Crystal Facet-Controlled Efficient SnS Photocathodes for High Performance Bias-Free Solar Water Splitting. <i>Advanced Science</i> , 2021, 8, e2102458.	11.2	17
3	Understanding the Influence of Anion Exchange on the Hole Transport Layer for Efficient and Humidity-Stable Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16730-16740.	6.7	15
4	Hierarchical Nanorod-Derived Bilayer Strategy to Enhance the Photocurrent Density of Sb ₂ Se ₃ Photocathodes for Photoelectrochemical Water Splitting. <i>ACS Energy Letters</i> , 2020, 5, 136-145.	17.4	58
5	Solar water splitting exceeding 10% efficiency via low-cost Sb ₂ Se ₃ photocathodes coupled with semitransparent perovskite photovoltaics. <i>Energy and Environmental Science</i> , 2020, 13, 4362-4370.	30.8	47
6	High-Performance Phase-Pure SnS Photocathodes for Photoelectrochemical Water Splitting Obtained via Molecular Ink-Derived Seed-Assisted Growth of Nanoplates. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 15155-15166.	8.0	36
7	Energy Level-Graded Al-Doped ZnO Protection Layers for Copper Nanowire-Based Window Electrodes for Efficient Flexible Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13824-13835.	8.0	31
8	Hierarchically Structured Bifunctional Electrocatalysts of Stacked Core-Shell CoS _{1.7} P _{0.3} Heterostructure Nanosheets for Overall Water Splitting. <i>Small Methods</i> , 2020, 4, 2000043.	8.6	43
9	Benchmark performance of low-cost Sb ₂ Se ₃ photocathodes for unassisted solar overall water splitting. <i>Nature Communications</i> , 2020, 11, 861.	12.8	135
10	Efficient Solar-to-Hydrogen Conversion from Neutral Electrolytes using Morphology-Controlled Sb ₂ Se ₃ Light Absorbers. <i>ACS Energy Letters</i> , 2019, 4, 517-526.	17.4	63
11	Boosting Visible Light Harvesting in p-Type Ternary Oxides for Solar-to-Hydrogen Conversion Using Inverse Opal Structure. <i>Advanced Functional Materials</i> , 2019, 29, 1900194.	14.9	43
12	Photocathodes: Boosting Visible Light Harvesting in p-Type Ternary Oxides for Solar-to-Hydrogen Conversion Using Inverse Opal Structure (<i>Adv. Funct. Mater.</i> 17/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970115.	14.9	1
13	Water Splitting: Fullerene as a Photoelectron Transfer Promoter Enabling Stable TiO ₂ -Protected Sb ₂ Se ₃ Photocathodes for Photoelectrochemical Water Splitting (<i>Adv. Energy Mater.</i> 16/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970053.	19.5	1
14	Cu-Doped NiO _x as an Effective Hole-Selective Layer for a High-Performance Sb ₂ Se ₃ Photocathode for Photoelectrochemical Water Splitting. <i>ACS Energy Letters</i> , 2019, 4, 995-1003.	17.4	88
15	Fullerene as a Photoelectron Transfer Promoter Enabling Stable TiO ₂ -Protected Sb ₂ Se ₃ Photocathodes for Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1900179.	19.5	43
16	Photoelectrodes based on 2D opals assembled from Cu-delfossite double-shelled microspheres for an enhanced photoelectrochemical response. <i>Nanoscale</i> , 2018, 10, 3720-3729.	5.6	25
17	Adjusting the Anisotropy of 1D Sb ₂ Se ₃ Nanostructures for Highly Efficient Photoelectrochemical Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1702888.	19.5	89
18	Controlled Electrodeposition of Photoelectrochemically Active Amorphous MoS _x Cocatalyst on Sb ₂ Se ₃ Photocathode. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10898-10908.	8.0	50