

Jin Wook Yang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

612
citations

623734

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398
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible Light Driven Ultrasensitive and Selective NO ₂ Detection in Tin Oxide Nanoparticles with Sulfur Doping Assisted by Cysteine. <i>Small</i> , 2022, 18, e2106613.	10.0	14
2	Surface-Tailored Medium Entropy Alloys as Radically Low Overpotential Oxygen Evolution Electrocatalysts. <i>Small</i> , 2022, 18, e2105611.	10.0	36
3	Controlled Band Offsets in Ultrathin Hematite for Enhancing the Photoelectrochemical Water Splitting Performance of Heterostructured Photoanodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7788-7795.	8.0	35
4	Crystal Facet Engineering of TiO ₂ Nanostructures for Enhancing Photoelectrochemical Water Splitting with BiVO ₄ Nanodots. <i>Nano-Micro Letters</i> , 2022, 14, 48.	27.0	44
5	Interfacial Engineering of In ₂ O ₃ /In ₂ S ₃ Heterojunction Photoanodes for Photoelectrochemical Water Oxidation. <i>Electronic Materials Letters</i> , 2022, 18, 391-399.	2.2	6
6	Multifunctional nano-heterogeneous Ni(OH) ₂ /NiFe catalysts on silicon photoanode toward efficient water and urea oxidation. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121765.	20.2	28
7	Grain Boundaries Boost Oxygen Evolution Reaction in NiFe Electrocatalysts. <i>Small Methods</i> , 2021, 5, 2000755.	8.6	22
8	Substantially improved room temperature NO ₂ sensing in 2-dimensional SnS ₂ nanoflowers enabled by visible light illumination. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11168-11178.	10.3	75
9	Direct Synthesis of Molybdenum Phosphide Nanorods on Silicon Using Graphene at the Heterointerface for Efficient Photoelectrochemical Water Reduction. <i>Nano-Micro Letters</i> , 2021, 13, 81.	27.0	20
10	Surface-tailored graphene channels. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	12
11	Crucial role of heterostructures in highly advanced water splitting photoelectrodes. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 29, 100454.	5.9	16
12	Boosting Unassisted Alkaline Solar Water Splitting Using Silicon Photocathode with TiO ₂ Nanorods Decorated by Edge-Rich MoS ₂ Nanoplates. <i>Small</i> , 2021, 17, e2103457.	10.0	35
13	Near-complete charge separation in tailored BiVO ₄ -based heterostructure photoanodes toward artificial leaf. <i>Applied Catalysis B: Environmental</i> , 2021, 293, 120217.	20.2	57
14	Crystal Facet-Controlled Efficient SnS Photocathodes for High Performance Bias-Free Solar Water Splitting. <i>Advanced Science</i> , 2021, 8, e2102458.	11.2	17
15	Hydrothermally obtained type-II heterojunction nanostructures of In ₂ S ₃ / TiO ₂ for remarkably enhanced photoelectrochemical water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 295, 120276.	20.2	89
16	Boosting Unassisted Alkaline Solar Water Splitting Using Silicon Photocathode with TiO ₂ Nanorods Decorated by Edge-Rich MoS ₂ Nanoplates (<i>Small</i> 39/2021). <i>Small</i> , 2021, 17, 2170206.	10.0	1
17	Nanoscale electrodeposition: Dimension control and 3D conformality. <i>Exploration</i> , 2021, 1, .	11.0	46
18	Si-Based Water Oxidation Photoanodes Conjugated with Earth-Abundant Transition Metal-Based Catalysts. , 2020, 2, 107-126.		35

#	ARTICLE	IF	CITATIONS
19	Electrodeposited Heterogeneous Nickel-Based Catalysts on Silicon for Efficient Sunlight-Assisted Water Splitting. Cell Reports Physical Science, 2020, 1, 100219.	5.6	23