Jin Wook Yang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11487107/publications.pdf

Version: 2024-02-01

19	612	623734	839539
papers	citations	14 h-index	18 g-index

20	20	20	398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrothermally obtained type-â…¡ heterojunction nanostructures of In2S3 / TiO2 for remarkably enhanced photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2021, 295, 120276.	20.2	89
2	Substantially improved room temperature NO₂ sensing in 2-dimensional SnS₂ nanoflowers enabled by visible light illumination. Journal of Materials Chemistry A, 2021, 9, 11168-11178.	10.3	75
3	Near-complete charge separation in tailored BiVO4-based heterostructure photoanodes toward artificial leaf. Applied Catalysis B: Environmental, 2021, 293, 120217.	20.2	57
4	Nanoscale electrodeposition: Dimension control and 3D conformality. Exploration, 2021, 1, .	11.0	46
5	Crystal Facet Engineering of TiO2 Nanostructures for Enhancing Photoelectrochemical Water Splitting with BiVO4 Nanodots. Nano-Micro Letters, 2022, 14, 48.	27.0	44
6	Surfaceâ€Tailored Medium Entropy Alloys as Radically Low Overpotential Oxygen Evolution Electrocatalysts. Small, 2022, 18, e2105611.	10.0	36
7	Si-Based Water Oxidation Photoanodes Conjugated with Earth-Abundant Transition Metal-Based Catalysts. , 2020, 2, 107-126.		35
8	Boosting Unassisted Alkaline Solar Water Splitting Using Silicon Photocathode with TiO₂ Nanorods Decorated by Edgeâ€Rich MoS₂ Nanoplates. Small, 2021, 17, e2103457.	10.0	35
9	Controlled Band Offsets in Ultrathin Hematite for Enhancing the Photoelectrochemical Water Splitting Performance of Heterostructured Photoanodes. ACS Applied Materials & Interfaces, 2022, 14, 7788-7795.	8.0	35
10	Multifunctional nano-heterogeneous Ni(OH)2/NiFe catalysts on silicon photoanode toward efficient water and urea oxidation. Applied Catalysis B: Environmental, 2022, 317, 121765.	20.2	28
11	Electrodeposited Heterogeneous Nickel-Based Catalysts on Silicon for Efficient Sunlight-Assisted Water Splitting. Cell Reports Physical Science, 2020, 1, 100219.	5.6	23
12	Grain Boundaries Boost Oxygen Evolution Reaction in NiFe Electrocatalysts. Small Methods, 2021, 5, 2000755.	8.6	22
13	Direct Synthesis of Molybdenum Phosphide Nanorods on Silicon Using Graphene at the Heterointerface for Efficient Photoelectrochemical Water Reduction. Nano-Micro Letters, 2021, 13, 81.	27.0	20
14	Crystal Facetâ€Controlled Efficient SnS Photocathodes for High Performance Biasâ€Free Solar Water Splitting. Advanced Science, 2021, 8, e2102458.	11.2	17
15	Crucial role of heterostructures in highly advanced water splitting photoelectrodes. Current Opinion in Green and Sustainable Chemistry, 2021, 29, 100454.	5.9	16
16	Visible Light Driven Ultrasensitive and Selective NO₂ Detection in Tin Oxide Nanoparticles with Sulfur Doping Assisted by <scp>l</scp>â€Cysteine. Small, 2022, 18, e2106613.	10.0	14
17	Surface-tailored graphene channels. Npj 2D Materials and Applications, 2021, 5, .	7.9	12
18	Interfacial Engineering of In2O3/In2S3 Heterojunction Photoanodes for Photoelectrochemical Water Oxidation. Electronic Materials Letters, 2022, 18, 391-399.	2.2	6

#	Article	IF	Citations
19	Boosting Unassisted Alkaline Solar Water Splitting Using Silicon Photocathode with TiO₂ Nanorods Decorated by Edgeâ€Rich MoS₂ Nanoplates (Small 39/2021). Small, 2021, 17, 2170206.	10.0	1