

Yoonjun Cho

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

684
citations

840728

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h-index

1058452

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all docs

20
docs citations

20
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	A two-photon tandem black phosphorus quantum dot-sensitized BiVO ₄ photoanode for solar water splitting. Energy and Environmental Science, 2022, 15, 672-679.	30.8	64
2	Continuous Oxygen Vacancy Gradient in TiO ₂ Photoelectrodes by a Photoelectrochemical-Driven "Self-Purification" Process. Advanced Energy Materials, 2022, 12, .	19.5	42
3	Precise synthesis of single-atom Mo, W, Nb coordinated with oxygen functional groups of graphene oxide for stable and selective two-electron oxygen reduction in neutral media. Journal of Materials Chemistry A, 2022, 10, 9488-9496.	10.3	8
4	Revisiting surface chemistry in TiO ₂ : A critical role of ionic passivation for pH-independent and anti-corrosive photoelectrochemical water oxidation. Chemical Engineering Journal, 2021, 407, 126929.	12.7	11
5	Disordered-Layer-Mediated Reverse Metal-Oxide Interactions for Enhanced Photocatalytic Water Splitting. Nano Letters, 2021, 21, 5247-5253.	9.1	18
6	Tuning Selectivity of Photoelectrochemical Water Oxidation via Facet-Engineered Interfacial Energetics. ACS Energy Letters, 2021, 6, 4071-4078.	17.4	39
7	Electrochemically controlled CdS@CdSe nanoparticles on ITO@TiO ₂ dual core-shell nanowires for enhanced photoelectrochemical hydrogen production. Applied Surface Science, 2020, 505, 144569.	6.1	11
8	Black TiO ₂ : What are exact functions of disorder layer. , 2020, 2, 44-53.		48
9	A "surface patching" strategy to achieve highly efficient solar water oxidation beyond surface passivation effect. Nano Energy, 2019, 66, 104110.	16.0	20
10	Black phosphorene as a hole extraction layer boosting solar water splitting of oxygen evolution catalysts. Nature Communications, 2019, 10, 2001.	12.8	222
11	(Invited) Multiple Heterojunction in Single Titanium Dioxide Nanomaterials for Photocatalysis and Photoelectrochemical Cells. ECS Meeting Abstracts, 2019, , .	0.0	0
12	Rapid Formation of a Disordered Layer on Monoclinic BiVO ₄ : Co-Catalyst-Free Photoelectrochemical Solar Water Splitting. ChemSusChem, 2018, 11, 933-940.	6.8	34
13	Suppressing buoyant force: New avenue for long-term durability of oxygen evolution catalysts. Nano Energy, 2018, 54, 184-191.	16.0	33
14	Multiple Heterojunction in Single Titanium Dioxide Nanoparticles for Novel Metal-Free Photocatalysis. Nano Letters, 2018, 18, 4257-4262.	9.1	45
15	Vertically Oriented MoS ₂ with Spatially Controlled Geometry on Nitrogenous Graphene Sheets for High-Performance Sodium-Ion Batteries. ECS Meeting Abstracts, 2018, , .	0.0	0
16	Multiple-Heterojunction in Single Titanium Dioxide Nanoparticle for Novel Metal-Free Photocatalysis. ECS Meeting Abstracts, 2018, , .	0.0	0
17	Three-Dimensional Ordered Nanoporous Nickel Electrode for Oxygen Evolution Reaction: Toward Highly Efficient and Ultra-Stable Water Electrolysis. ECS Meeting Abstracts, 2018, , .	0.0	0
18	(Invited) Surface Engineering of Metal Oxide Photoanodes for Photoelectrochemical Solar Water Splitting. ECS Meeting Abstracts, 2018, MA2018-01, 1892-1892.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Ultrafast Flame Annealing of TiO ₂ Paste for Fabricating Dye-Sensitized and Perovskite Solar Cells with Enhanced Efficiency. <i>Small</i> , 2017, 13, 1702260.	10.0	16
20	Ultrahigh Electrocatalytic Conversion of Methane at Room Temperature. <i>Advanced Science</i> , 2017, 4, 1700379.	11.2	73