

# Yukun Zhu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9018557/publications.pdf>

Version: 2024-02-01

40  
papers

1,982  
citations

279798

23  
h-index

302126

39  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical NiCoP nanocone arrays supported on Ni foam as an efficient and stable bifunctional electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14828-14837.	10.3	255
2	Effect of Intrinsic Defects of Carbon Materials on the Sodium Storage Performance. <i>Advanced Energy Materials</i> , 2020, 10, 1903652.	19.5	194
3	A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 868-873.	13.8	164
4	Microbe-Assisted Assembly of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene on Fungi-Derived Nanoribbon Heterostructures for Ultrastable Sodium and Potassium Ion Storage. <i>ACS Nano</i> , 2021, 15, 3423-3433.	14.6	158
5	Red phosphorus decorated and doped TiO <sub>2</sub> nanofibers for efficient photocatalytic hydrogen evolution from pure water. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117764.	20.2	151
6	Interface engineering of 3D BiVO <sub>4</sub> /Fe-based layered double hydroxide core/shell nanostructures for boosting photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9952-9959.	10.3	134
7	Enhanced photocatalytic water disinfection properties of Bi <sub>2</sub> MoO <sub>6</sub> @RGO nanocomposites under visible light irradiation. <i>Nanoscale</i> , 2013, 5, 6307.	5.6	121
8	Elemental red phosphorus-based materials for photocatalytic water purification and hydrogen production. <i>Nanoscale</i> , 2020, 12, 13297-13310.	5.6	86
9	Hierarchical red phosphorus incorporated TiO <sub>2</sub> hollow sphere heterojunctions toward superior photocatalytic hydrogen production. <i>Journal of Materials Science and Technology</i> , 2022, 108, 18-25.	10.7	82
10	A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. <i>Angewandte Chemie</i> , 2020, 132, 878-883.	2.0	40
11	Surface modification of hematite photoanode by NiFe layered double hydroxide for boosting photoelectrocatalytic water oxidation. <i>Journal of Alloys and Compounds</i> , 2018, 764, 341-346.	5.5	38
12	Phosphorus-doped polymeric carbon nitride nanosheets for enhanced photocatalytic hydrogen production. <i>APL Materials</i> , 2020, 8, .	5.1	37
13	Visible-light driven rapid bacterial inactivation on red phosphorus/titanium oxide nanofiber heterostructures. <i>Journal of Hazardous Materials</i> , 2021, 413, 125462.	12.4	37
14	A review on nanoconfinement engineering of red phosphorus for enhanced Li/Na/K-ion storage performances. <i>Journal of Energy Chemistry</i> , 2021, 61, 531-552.	12.9	36
15	Biomass as a Template Leads to CdS@Carbon Aerogels for Efficient Photocatalytic Hydrogen Evolution and Stable Photoelectrochemical Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14911-14918.	6.7	35
16	Construction of a direct Z-scheme ZnS quantum dot (QD)-Fe <sub>2</sub> O <sub>3</sub> QD heterojunction/reduced graphene oxide nanocomposite with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2020, 506, 144922.	6.1	33
17	Insights into the photocatalysis mechanism of the novel 2D/3D Z-Scheme g-C <sub>3</sub> N <sub>4</sub> /SnS <sub>2</sub> heterojunction photocatalysts with excellent photocatalytic performances. <i>Journal of Hazardous Materials</i> , 2021, 402, 123711.	12.4	33
18	Ternary red phosphorus/CoP <sub>2</sub> /SiO <sub>2</sub> microsphere boosts visible-light-driven photocatalytic hydrogen evolution from pure water splitting. <i>Journal of Materials Science and Technology</i> , 2022, 125, 59-66.	10.7	31

#	ARTICLE	IF	CITATIONS
19	In-situ growth of graphene on carbon nanofiber from lignin. <i>Carbon</i> , 2020, 169, 446-454.	10.3	30
20	Enhanced visible-light photoelectrochemical performance via chemical vapor deposition of Fe <sub>2</sub> O <sub>3</sub> on a WO <sub>3</sub> film to form a heterojunction. <i>Rare Metals</i> , 2020, 39, 841-849.	7.1	28
21	Tuning electron transfer by crystal facet engineering of BiVO <sub>4</sub> for boosting visible-light driven photocatalytic reduction of bromate. <i>Science of the Total Environment</i> , 2021, 762, 143086.	8.0	28
22	Enhanced degradation of norfloxacin by Ce-mediated Fe-MIL-101: catalytic mechanism, degradation pathways, and potential applications in wastewater treatment. <i>Environmental Science: Nano</i> , 2021, 8, 2347-2359.	4.3	26
23	Red Phosphorus Decorated TiO <sub>2</sub> Nanorod Mediated Photodynamic and Photothermal Therapy for Renal Cell Carcinoma. <i>Small</i> , 2021, 17, e2101837.	10.0	26
24	High-rate supercapacitor based on 3D hierarchical N-doped porous carbon derived from sustainable spongy cornstalk pith. <i>Journal of Energy Storage</i> , 2021, 37, 102470.	8.1	25
25	Efficient photoelectrocatalytic degradation of tylosin on TiO <sub>2</sub> nanotube arrays with tunable phosphorus dopants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104742.	6.7	23
26	Effect of molecular structure of aniline-formaldehyde copolymers on corrosion inhibition of mild steel in hydrochloric acid solution. <i>Journal of Hazardous Materials</i> , 2015, 289, 130-139.	12.4	19
27	Composite material WC <sub>1-x</sub> @C as a noble-metal-economic material for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155116.	5.5	19
28	Mechanistic insight into high-efficiency sodium storage based on N/O/P-functionalized ultrathin carbon nanosheet. <i>Journal of Power Sources</i> , 2019, 442, 227184.	7.8	18
29	Indium oxide thin film as potential photoanodes for corrosion protection of stainless steel under visible light. <i>Materials Research Bulletin</i> , 2014, 53, 251-256.	5.2	14
30	TiO <sub>2</sub> nanorod arrays decorated with exfoliated WS <sub>2</sub> nanosheets for enhanced photoelectrochemical water oxidation. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 282-288.	9.4	13
31	Synthesis of photocatalytic hematite nanotube array using a template-free solvothermal approach. <i>RSC Advances</i> , 2015, 5, 60920-60925.	3.6	11
32	Red Phosphorus Nanodot-Decorated Polymeric Carbon Nitride Nanotubes for Visible-Light-Driven Photocatalytic Bacterial Inactivation. <i>ACS Applied Nano Materials</i> , 2022, 5, 862-870.	5.0	9
33	Black aspergillus-derived highly porous carbon fibers for capacitive applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17592-17600.	2.2	7
34	Crystal Phase-Related Toxicity of One-Dimensional Titanium Dioxide Nanomaterials on Kidney Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 3499-3506.	4.6	5
35	20,000 Ligands Under the Sea: Metal-Organic Supramolecules from the Ocean. <i>Matter</i> , 2020, 2, 10-12.	10.0	4
36	Spontaneous polarization enhanced bismuth ferrate photoelectrode: fabrication and boosted photoelectrochemical water splitting property. <i>Frontiers in Energy</i> , 2021, 15, 781-790.	2.3	4

#	ARTICLE	IF	CITATIONS
37	Scheelite-related $M_{1-x}Bi_xV_{1-x}Mo_xO_4$ ( $M^{II} = Ca, Sr$ ) solid solution-based photoanodes for enhanced photoelectrochemical water oxidation. Dalton Transactions, 2020, 49, 2345-2355.	3.3	3
38	Interfacial enhancement of $O_2$ protonation on Fe <sub>2</sub> N/Fe <sub>3</sub> C nanoparticles to boost oxygen reduction reaction and the fuel cell in acidic electrolyte. Materials Today Energy, 2021, 21, 100834.	4.7	3
39	Ternary TiO <sub>2</sub> /Ni(OH) <sub>2</sub> /NiPi nanotube arrays with synergetic effect for enhanced photoelectrocatalytic H <sub>2</sub> -evolution. International Journal of Hydrogen Energy, 2022, 47, 22063-22077.	7.1	2
40	Doped-Polyaniline Mesoporous Prepared by a Fast Hybrid Oxidation Polymerization Treatment: A Promising Supercapacitor Electrode Material. Nanoscience and Nanotechnology Letters, 2017, 9, 508-514.	0.4	0