

Yukun Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,982
citations

318942

23
h-index

340414

39
g-index

40
all docs

40
docs citations

40
times ranked

2822
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical red phosphorus incorporated TiO ₂ hollow sphere heterojunctions toward superior photocatalytic hydrogen production. <i>Journal of Materials Science and Technology</i> , 2022, 108, 18-25.	5.6	82
2	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.	2.4	9
3	Ternary red phosphorus/CoP ₂ /SiO ₂ microsphere boosts visible-light-driven photocatalytic hydrogen evolution from pure water splitting. <i>Journal of Materials Science and Technology</i> , 2022, 125, 59-66.	5.6	31
4	Ternary TiO ₂ /Ni(OH) ₂ /NiPi nanotube arrays with synergetic effect for enhanced photoelectrocatalytic H ₂ -evolution. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 22063-22077.	3.8	2
5	Insights into the photocatalysis mechanism of the novel 2D/3D Z-Scheme g-C ₃ N ₄ /SnS ₂ heterojunction photocatalysts with excellent photocatalytic performances. <i>Journal of Hazardous Materials</i> , 2021, 402, 123711.	6.5	33
6	Tuning electron transfer by crystal facet engineering of BiVO ₄ for boosting visible-light driven photocatalytic reduction of bromate. <i>Science of the Total Environment</i> , 2021, 762, 143086.	3.9	28
7	Efficient photoelectrocatalytic degradation of tylosin on TiO ₂ nanotube arrays with tunable phosphorus dopants. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104742.	3.3	23
8	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.	2.2	26
9	Crystal Phase-Related Toxicity of One-Dimensional Titanium Dioxide Nanomaterials on Kidney Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 3499-3506.	2.3	5
10	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.	3.9	25
11	Red Phosphorus Decorated TiO ₂ Nanorod Mediated Photodynamic and Photothermal Therapy for Renal Cell Carcinoma. <i>Small</i> , 2021, 17, e2101837.	5.2	26
12	Visible-light driven rapid bacterial inactivation on red phosphorus/titanium oxide nanofiber heterostructures. <i>Journal of Hazardous Materials</i> , 2021, 413, 125462.	6.5	37
13	Spontaneous polarization enhanced bismuth ferrate photoelectrode: fabrication and boosted photoelectrochemical water splitting property. <i>Frontiers in Energy</i> , 2021, 15, 781-790.	1.2	4
14	Interfacial enhancement of O ₂ protonation on Fe ₂ N/Fe ₃ C nanoparticles to boost oxygen reduction reaction and the fuel cell in acidic electrolyte. <i>Materials Today Energy</i> , 2021, 21, 100834.	2.5	3
15	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.	7.1	36
16	Microbe-Assisted Assembly of Ti ₃ C ₂ MXene on Fungi-Derived Nanoribbon Heterostructures for Ultrastable Sodium and Potassium Ion Storage. <i>ACS Nano</i> , 2021, 15, 3423-3433.	7.3	158
17	Enhanced visible-light photoelectrochemical performance via chemical vapor deposition of Fe ₂ O ₃ on a WO ₃ film to form a heterojunction. <i>Rare Metals</i> , 2020, 39, 841-849.	3.6	28
18	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.	7.2	164

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19	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.	1.6	40
20	20,000 Ligands Under the Sea: Metal-Organic Supramolecules from the Ocean. <i>Matter</i> , 2020, 2, 10-12.	5.0	4
21	Construction of a direct Z-scheme ZnS quantum dot (QD)-Fe ₂ O ₃ QD heterojunction/reduced graphene oxide nanocomposite with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2020, 506, 144922.	3.1	33
22	In-situ growth of graphene on carbon nanofiber from lignin. <i>Carbon</i> , 2020, 169, 446-454.	5.4	30
23	Elemental red phosphorus-based materials for photocatalytic water purification and hydrogen production. <i>Nanoscale</i> , 2020, 12, 13297-13310.	2.8	86
24	Scheelite-related M _{1-x} Bi _x V _{1-x} Mo _x O ₄ (M ²⁺ = Ca, Sr) solid solution-based photoanodes for enhanced photoelectrochemical water oxidation. <i>Dalton Transactions</i> , 2020, 49, 2345-2355.	1.6	3
25	Composite material WC _{1-x} @C as a noble-metal-economic material for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155116.	2.8	19
26	Phosphorus-doped polymeric carbon nitride nanosheets for enhanced photocatalytic hydrogen production. <i>APL Materials</i> , 2020, 8, .	2.2	37
27	Effect of Intrinsic Defects of Carbon Materials on the Sodium Storage Performance. <i>Advanced Energy Materials</i> , 2020, 10, 1903652.	10.2	194
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.	4.0	18
29	Red phosphorus decorated and doped TiO ₂ nanofibers for efficient photocatalytic hydrogen evolution from pure water. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117764.	10.8	151
30	TiO ₂ nanorod arrays decorated with exfoliated WS ₂ nanosheets for enhanced photoelectrochemical water oxidation. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 282-288.	5.0	13
31	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.	3.2	35
32	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.	2.8	38
33	Interface engineering of 3D BiVO ₄ /Fe-based layered double hydroxide core/shell nanostructures for boosting photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9952-9959.	5.2	134
34	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.	5.2	255
35	Black aspergillus-derived highly porous carbon fibers for capacitive applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17592-17600.	1.1	7
36	Doped-Polyaniline Mesoporous Prepared by a Fast Hybrid Oxidation Polymerization Treatment: A Promising Supercapacitor Electrode Material. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 508-514.	0.4	0

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37	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.	6.5	19
38	Synthesis of photocatalytic hematite nanotube array using a template-free solvothermal approach. <i>RSC Advances</i> , 2015, 5, 60920-60925.	1.7	11
39	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.	2.7	14
40	Enhanced photocatalytic water disinfection properties of Bi ₂ MoO ₆ -RGO nanocomposites under visible light irradiation. <i>Nanoscale</i> , 2013, 5, 6307.	2.8	121