

Visible-light driven heterojunction photocatalysts for w

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Citation Report

#	ARTICLE	IF	CITATIONS
3	TiO ₂ -Fe ₂ O ₃ and Co ₃ O ₄ -Fe ₂ O ₃ nanocomposites analyzed by X-ray Photoelectron Spectroscopy. Surface Science Spectra, 2015, 22, 34-46.	0.3	7
4	Research Update: Photoelectrochemical water splitting and photocatalytic hydrogen production using ferrites (MFe ₂ O ₄) under visible light irradiation. APL Materials, 2015, 3, .	2.2	92
5	Fe ₂ O ₃ â€“TiO ₂ Nanoâ€“heterostructure Photoanodes for Highly Efficient Solar Water Oxidation. Advanced Materials Interfaces, 2015, 2, 1500313.	1.9	103
6	Design of a Metal Oxideâ€“Organic Framework (MOF) Foam Microreactor: Solarâ€“Induced Direct Pollutant Degradation and Hydrogen Generation. Advanced Materials, 2015, 27, 7713-7719.	11.1	86
7	Multichannelâ€“Improved Chargeâ€“Carrier Dynamics in Wellâ€“Designed Heteroâ€“nanostructural Plasmonic Photocatalysts toward Highly Efficient Solarâ€“Fuels Conversion. Advanced Materials, 2015, 27, 5906-5914.	11.1	239
8	Metalloporphyrins as Photocatalysts for Driving Endergonic Reactions, Exemplified by Bromide to Bromine Conversion. Angewandte Chemie, 2015, 127, 12547-12550.	1.6	10
9	High Throughput Discovery of Solar Fuels Photoanodes in the CuOâ€“V ₂ O ₅ System. Advanced Energy Materials, 2015, 5, 1500968.	10.2	82
10	Charge Transfer and Photocatalytic Activity in CuO/TiO ₂ Nanoparticle Heterojunctions Synthesised through a Rapid, Oneâ€“Pot, Microwave Solvothermal Route. ChemCatChem, 2015, 7, 1659-1667.	1.8	87
11	Anisotropic relaxation of a CuO/TiO ₂ surface under an electric field and its impact on visible light absorption: ab initio calculations. Physical Chemistry Chemical Physics, 2015, 17, 17880-17886.	1.3	7
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13	Origin of High Photocatalytic Efficiency in Monolayer g-C ₃ N ₄ /CdS Heterostructure: A Hybrid DFT Study. Journal of Physical Chemistry C, 2015, 119, 28417-28423.	1.5	345
14	Metalâ€“Organic Framework Thin Films as Platforms for Atomic Layer Deposition of Cobalt Ions To Enable Electrocatalytic Water Oxidation. ACS Applied Materials & Interfaces, 2015, 7, 28223-28230.	4.0	145
15	Photocatalysis fundamentals and surface modification of TiO ₂ nanomaterials. Chinese Journal of Catalysis, 2015, 36, 2049-2070.	6.9	458
16	Electronic Structure and Photocatalytic Water-Splitting Properties of Ag ₂ ZnSn(S _{1-x} Se _x) ₄ . Journal of Physical Chemistry C, 2015, 119, 27900-27908.	1.5	68
17	On the role of CoO in CoO _x /TiO ₂ for the photocatalytic hydrogen production from water in the presence of glycerol. Journal of Lithic Studies, 2015, 1, 192-200.	0.1	19
18	Efficient water oxidation under visible light by tuning surface defects on ceria nanorods. Journal of Materials Chemistry A, 2015, 3, 20465-20470.	5.2	82
19	Ag ₃ PO ₄ /Ag ₂ CO ₃ p-n heterojunction composites with enhanced photocatalytic activity under visible light. Chinese Journal of Catalysis, 2015, 36, 2186-2193.	6.9	34
20	A Method for Synthesis of Renewable Cu ₂ O Junction Composite Electrodes and Their Photoelectrochemical Properties. ACS Sustainable Chemistry and Engineering, 2015, 3, 710-717.	3.2	50

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22	$\text{Fe}_2\text{O}_3/\text{NiOOH}$: An Effective Heterostructure for Photoelectrochemical Water Oxidation. <i>ACS Catalysis</i> , 2015, 5, 5292-5300.	5.5	219
23	Enhancing visible light photocatalytic activity of BiOBr/rod-like BiPO_4 through a heterojunction by a two-step method. <i>RSC Advances</i> , 2015, 5, 63930-63935.	1.7	18
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26	Morphology transformation of Cu_2O sub-microstructures by Sn doping for enhanced photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2015, 649, 1124-1129.	2.8	36
27	Efficient visible driven photocatalyst, silver phosphate: performance, understanding and perspective. <i>Chemical Society Reviews</i> , 2015, 44, 7808-7828.	18.7	406
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29	Recent progress in photocathodes for hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15824-15837.	5.2	160
30	Photodegradation of Rhodamine B over Ag modified ferroelectric BaTiO_3 under simulated solar light: pathways and mechanism. <i>RSC Advances</i> , 2015, 5, 30372-30379.	1.7	67
31	A solution-processed, mercaptoacetic acid-engineered CdSe quantum dot photocathode for efficient hydrogen production under visible light irradiation. <i>Energy and Environmental Science</i> , 2015, 8, 1443-1449.	15.6	90
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33	Modification Strategies with Inorganic Acids for Efficient Photocatalysts by Promoting the Adsorption of O_2 . <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22727-22740.	4.0	68
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36	BiVO_4 photoanodes with significantly improved solar water splitting capability: a junction to expand solar adsorption range and facilitate charge carrier dynamics. <i>Nano Energy</i> , 2015, 18, 222-231.	8.2	199
37	Modified Solvothermal Strategy for Straightforward Synthesis of Cubic NaNbO_3 Nanowires with Enhanced Photocatalytic H_2 Evolution. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25956-25964.	1.5	48
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44	Facile preparation of BiVO ₄ nanoparticle film by electrostatic spray pyrolysis for photoelectrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12964-12972.	3.8	29
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833	Photoelectrochemical Biosensor Based on Co ₃ O ₄ Nanoenzyme Coupled with PbS Quantum Dots for Hydrogen Peroxide Detection. <i>ACS Applied Nano Materials</i> , 2019, 2, 2204-2211.	2.4	50
834	Enhanced Photoelectrochemical Water Splitting through Bismuth Vanadate with a Photon Upconversion Luminescent Reflector. <i>Angewandte Chemie</i> , 2019, 131, 6965-6969.	1.6	4
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950	A novel TiO ₂ nanotube arrays/MgTi _x O _y multiphase-heterojunction film with high efficiency for photoelectrochemical cathodic protection. <i>Corrosion Science</i> , 2020, 166, 108441.	3.0	52
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1447	Carbon Dots in Solar-to-Hydrogen Conversion. <i>Trends in Chemistry</i> , 2020, 2, 623-637.	4.4	47
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1452	Chapter 7. Artificial Photosynthesis with Inorganic Particles. <i>RSC Energy and Environment Series</i> , 2018, , 214-280.	0.2	4
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1476	Fabrication and Photoelectrochemical Properties of a Cu ₂ O/CuO Heterojunction Photoelectrode for Hydrogen Production from Solar Water Splitting. <i>Korean Journal of Materials Research</i> , 2016, 26, 604-610.	0.1	3
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1484	Multi-Interfacial catalyst with spatially defined redox reactions for enhanced pure water photothermal hydrogen production. <i>EcoMat</i> , 2021, 3, .	6.8	40
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1486	Designing of TiO ₂ /Fe ₂ O ₃ coupled g-C ₃ N ₄ magnetic heterostructure composite for efficient Z-scheme photo-degradation process under visible light exposures. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162498.	2.8	36
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1489	Artificial Photosynthesis for Value-Added Chemicals Production. <i>Ceramist</i> , 2020, 23, 324-338.	0.0	0
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1495	Synergistic effect of flower-like $MnFe_2O_4/MoS_2$ on photo-Fenton oxidation remediation of tetracycline polluted water. Journal of Colloid and Interface Science, 2022, 608, 942-953.	5.0	60
1497	The role of guanidine hydrochloride in graphitic carbon nitride synthesis. Scientific Reports, 2021, 11, 21600.	1.6	8
1498	Covalent organic framework based $WO_3@COF/rGO$ for efficient visible-light-driven H_2 evolution by two-step separation mode. Chemical Engineering Journal, 2022, 431, 133404.	6.6	40
1499	Catalytic removal of methylene blue with different stoichiometric ratios of $ZnCuS$ nanoparticles. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2020, 75, 981-986.	0.7	0
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1507	Recent advancements of layered double hydroxide heterojunction composites with engineering approach towards photocatalytic hydrogen production: A review. International Journal of Hydrogen Energy, 2022, 47, 862-901.	3.8	39
1508	Observation of 4th-order water oxidation kinetics by time-resolved photovoltage spectroscopy. IScience, 2021, 24, 103500.	1.9	8
1509	Enhancing the photocatalytic activity of Ruddlesden-Popper Sr_2TiO_4 for hydrogen evolution through synergistic silver doping and moderate reducing pretreatment. Materials Today Energy, 2022, 23, 100899.	2.5	29

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1512	Two-Dimensional Ti ₂ CO ₂ /CrSSe Heterostructure as a Direct Z-Scheme Photocatalyst for Water Splitting. <i>Catalysis Letters</i> , 2022, 152, 2564-2574.	1.4	6
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1515	Wet-chemistry hydrogen doped TiO ₂ with switchable defects control for photocatalytic hydrogen evolution. <i>Matter</i> , 2022, 5, 206-218.	5.0	66
1516	Semiconductor heterojunctions for photocatalytic hydrogen production and Cr(VI) Reduction: A review. <i>Materials Research Bulletin</i> , 2022, 147, 111636.	2.7	30
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1518	Effect of the Type of Heterostructures on Photostimulated Alteration of the Surface Hydrophilicity: TiO ₂ /BiVO ₄ vs. ZnO/BiVO ₄ Planar Heterostructured Coatings. <i>Catalysts</i> , 2021, 11, 1424.	1.6	5
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1520	Boosting Photocatalytic Activity Using Carbon Nitride Based 2D/2D van der Waals Heterojunctions. <i>Chemistry of Materials</i> , 2021, 33, 9012-9092.	3.2	88
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1524	Multidimensional Tungsten Oxides for Efficient Solar Energy Conversion. <i>Small Structures</i> , 2022, 3, 2100130.	6.9	21
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1527	Enhancing interfacial charge transfer in mesoporous MoS ₂ /CdS nanojunction architectures for highly efficient visible-light photocatalytic water splitting. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 625-636.	3.0	8

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1549	Unraveling Charge Separation Mechanisms in Photocatalyst Particles by Spatially Resolved Surface Photovoltage Techniques. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
1550	Morphology-dependent visible light photocatalysis. , 2022, , 375-412.		3
1551	Polymer-based materials for visible light photocatalysis. , 2022, , 491-510.		0
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1560	ZnO-based heterostructures as photocatalysts for hydrogen generation and depollution: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1047-1081.	8.3	68
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