

zhenhua Pan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2317144/zhenhua-pan-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

2,130
citations

17
h-index

39
g-index

39
ext. papers

2,828
ext. citations

10.6
avg, IF

4.9
L-index

#	Paper	IF	Citations
35	Overall photosynthesis of HO by an inorganic semiconductor.. <i>Nature Communications</i> , 2022 , 13, 1034	17.4	11
34	Charge Separation in Photocatalysts: Mechanisms, Physical Parameters, and Design Principles. <i>ACS Energy Letters</i> , 2022 , 7, 432-452	20.1	1
33	Physical properties and photocatalytic activity of pulverized Ga-doped La ₅ Ti ₂ Cu _{0.9} Ag _{0.1} O ₇ S ₅ powder. <i>Materials Letters</i> , 2022 , 319, 132290	3.3	
32	Microscopic Interfacial Charge Transfer at Perovskite/Hole Transport Layer Interfaces Clarified Using Pattern-Illumination Time-Resolved Phase Microscopy. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 7548-7555	3.8	
31	Simultaneously Tuning the Defects and Surface Properties of TaN Nanoparticles by Mg-Zr Codoping for Significantly Accelerated Photocatalytic H Evolution. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10059-10064	16.4	17
30	Surface Modifications of (ZnSe)(CuGaSe) to Promote Photocatalytic Z-Scheme Overall Water Splitting. <i>Journal of the American Chemical Society</i> , 2021 , 143, 10633-10641	16.4	29
29	Electrochemical and Photoelectrochemical Water Oxidation for Hydrogen Peroxide Production. <i>Angewandte Chemie</i> , 2021 , 133, 10561-10572	3.6	1
28	Electrochemical and Photoelectrochemical Water Oxidation for Hydrogen Peroxide Production. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10469-10480	16.4	51
27	Synthesis of Y ₂ Ti ₂ O ₅ S ₂ by thermal sulfidation for photocatalytic water oxidation and reduction under visible light irradiation. <i>Research on Chemical Intermediates</i> , 2021 , 47, 225-234	2.8	6
26	Sequential cocatalyst decoration on BaTaON towards highly-active Z-scheme water splitting. <i>Nature Communications</i> , 2021 , 12, 1005	17.4	46
25	Synthesis of a Ga-doped La ₅ Ti ₂ Cu _{0.9} Ag _{0.1} O ₇ S ₅ photocatalyst by thermal sulfidation for hydrogen evolution under visible light. <i>Journal of Catalysis</i> , 2021 , 399, 230-236	7.3	5
24	Spatially separating redox centers on 2D carbon nitride with cobalt single atom for photocatalytic HO production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6376-6382	11.5	95
23	Metal-organic frameworks derived cobalt encapsulated in porous nitrogen-doped carbon nanostructure towards highly efficient and durable oxygen reduction reaction electrocatalysis. <i>Journal of Power Sources</i> , 2020 , 451, 227747	8.9	16
22	Mutually-dependent kinetics and energetics of photocatalyst/co-catalyst/two-redox liquid junctions. <i>Energy and Environmental Science</i> , 2020 , 13, 162-173	35.4	17
21	Elucidating charge separation in particulate photocatalysts using nearly intrinsic semiconductors with small asymmetric band bending. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 850-864	5.8	18
20	Oxysulfide photocatalyst for visible-light-driven overall water splitting. <i>Nature Materials</i> , 2019 , 18, 827-832	27.2	222
19	Metal selenide photocatalysts for visible-light-driven Z-scheme pure water splitting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7415-7422	13	46

18	Hydrogen evolution activity tuning via two-dimensional electron accumulation at buried interfaces. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20696-20705	13	8
17	Metal selenides for photocatalytic Z-scheme pure water splitting mediated by reduced graphene oxide. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 1668-1672	11.3	15
16	Cathodic Hydrogen Peroxide Electrosynthesis Using Anthraquinone Modified Carbon Nitride on Gas Diffusion Electrode. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7972-7979	6.1	10
15	Electronic Tuning of Metal Nanoparticles for Highly Efficient Photocatalytic Hydrogen Peroxide Production. <i>ACS Catalysis</i> , 2019 , 9, 626-631	13.1	47
14	Stable Water Oxidation in Acid Using Manganese-Modified TiO Protective Coatings. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18805-18815	9.5	17
13	Tunable nano-interfaces between MnOx and layered double hydroxides boost oxygen evolving electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21918-21926	13	21
12	Particulate Photocatalyst Sheets Based on Carbon Conductor Layer for Efficient Z-Scheme Pure-Water Splitting at Ambient Pressure. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1675-1683	16.4	252
11	III-V Semiconductor Photoelectrodes. <i>Semiconductors and Semimetals</i> , 2017 , 97, 81-138	0.6	6
10	Photoreduced Graphene Oxide as a Conductive Binder to Improve the Water Splitting Activity of Photocatalyst Sheets. <i>Advanced Functional Materials</i> , 2016 , 26, 7011-7019	15.6	47
9	Photocatalyst Sheets Composed of Particulate LaMg _{1/3} Ta _{2/3} O ₂ N and Mo-Doped BiVO ₄ for Z-Scheme Water Splitting under Visible Light. <i>ACS Catalysis</i> , 2016 , 6, 7188-7196	13.1	68
8	Application of LaMg _{1/3} Ta _{2/3} O ₂ N as a hydrogen evolution photocatalyst of a photocatalyst sheet for Z-scheme water splitting. <i>Applied Catalysis A: General</i> , 2016 , 521, 26-33	5.1	28
7	Scalable water splitting on particulate photocatalyst sheets with a solar-to-hydrogen energy conversion efficiency exceeding 1. <i>Nature Materials</i> , 2016 , 15, 611-5	27	979
6	Photocatalytic Ozonation of Oxalic Acid Over Cu(II)-Grafted TiO ₂ Under Visible Light Irradiation. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015 , 45, 447-450		4
5	A Novel Way to Prepare Visible-Light-Responsive WO ₃ /TiO ₂ Composite Film with High Porosity. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 254-262	2	10
4	Mechanism and kinetics of H-acid degradation in TiO ₂ /O ₃ /UV process. <i>Canadian Journal of Chemical Engineering</i> , 2014 , 92, 851-860	2.3	3
3	Preparation and characterization of ZrO ₂ /TiO ₂ composite photocatalytic film by micro-arc oxidation. <i>Transactions of Nonferrous Metals Society of China</i> , 2013 , 23, 2945-2950	3.3	25
2	Preparation of narrow band gap V ₂ O ₅ /TiO ₂ composite films by micro-arc oxidation. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2012 , 19, 1045-1051	3.1	7
1	Cocatalyst engineering of a narrow bandgap Ga-La ₅ Ti ₂ Cu _{0.9} Ag _{0.1} O ₇ S ₅ photocatalyst towards effectively enhanced water splitting. <i>Journal of Materials Chemistry A</i> ,	13	1

