

# Yequan Xiao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12145668/publications.pdf>

Version: 2024-02-01

19  
papers

1,751  
citations

567281

15  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

2565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe-Based Electrocatalysts for Oxygen Evolution Reaction: Progress and Perspectives. ACS Catalysis, 2020, 10, 4019-4047.	11.2	379
2	Engineering graphene and TMDs based van der Waals heterostructures for photovoltaic and photoelectrochemical solar energy conversion. Chemical Society Reviews, 2018, 47, 4981-5037.	38.1	344
3	Band structure engineering and defect control of Ta <sub>3</sub> N <sub>5</sub> for efficient photoelectrochemical water oxidation. Nature Catalysis, 2020, 3, 932-940.	34.4	211
4	All-Inorganic Perovskite Solar Cells: Energetics, Key Challenges, and Strategies toward Commercialization. ACS Energy Letters, 2020, 5, 290-320.	17.4	183
5	Earth-abundant Cu-based metal oxide photocathodes for photoelectrochemical water splitting. Energy and Environmental Science, 2020, 13, 3269-3306.	30.8	141
6	Interface engineering of Ta <sub>3</sub> N <sub>5</sub> thin film photoanode for highly efficient photoelectrochemical water splitting. Nature Communications, 2022, 13, 729.	12.8	99
7	A self-healing catalyst for electrocatalytic and photoelectrochemical oxygen evolution in highly alkaline conditions. Nature Communications, 2021, 12, 5980.	12.8	88
8	Identifying Performance-Limiting Deep Traps in Ta <sub>3</sub> N <sub>5</sub> for Solar Water Splitting. ACS Catalysis, 2020, 10, 10316-10324.	11.2	68
9	Large-Area Organic-Free Perovskite Solar Cells with High Thermal Stability. Journal of Physical Chemistry Letters, 2019, 10, 6382-6388.	4.6	46
10	Tuning the Selectivity of Liquid Products of CO <sub>2</sub> RR by Cu-Ag Alloying. ACS Applied Materials & Interfaces, 2022, 14, 11567-11574.	8.0	44
11	Highly Efficient NiFe Nanoparticle Decorated Si Photoanode for Photoelectrochemical Water Oxidation. Chemistry of Materials, 2019, 31, 171-178.	6.7	34
12	Strongly Enhanced Photoluminescence and Photoconductivity in Erbium-Doped MAPbBr <sub>3</sub> Single Crystals. Journal of Physical Chemistry C, 2020, 124, 8992-8998.	3.1	26
13	Efficient photoelectrochemical water oxidation enabled by an amorphous metal oxide-catalyzed graphene/silicon heterojunction photoanode. Sustainable Energy and Fuels, 2018, 2, 663-672.	4.9	25
14	Full-Inorganic Thin Film Solar Cell and Photodetector Based on Graphene-Antimony Sulfide Heterostructure. Solar Rrl, 2017, 1, 1700135.	5.8	20
15	Tailored NiFe Catalyst on Silicon Photoanode for Efficient Photoelectrochemical Water Oxidation. Journal of Physical Chemistry C, 2020, 124, 2844-2850.	3.1	19
16	Strategies To Construct n-Type Si-Based Heterojunctions for Photoelectrochemical Water Oxidation. , 2022, 4, 779-804.		10
17	The effect of radio frequency power on the structural and optical properties of a-C:H films prepared by PECVD. Journal of Materials Research, 2017, 32, 1231-1238.	2.6	8
18	Direct synthesis of BaTaO <sub>2</sub> N nanoparticle film on a conductive substrate for photoelectrochemical water splitting. Journal of Catalysis, 2022, 411, 109-115.	6.2	5

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19	Fullâ€inorganic Thin Film Solar Cell and Photodetector Based on â€œGrapheneâ€onâ€Antimony Sulfideâ€ Heterostructure (Solar RRL 12âˆ•2017). Solar Rrl, 2017, 1, 1770146.	5.8	1