

# Jie Jian

## List of Publications by Year in descending order

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13  
papers

653  
citations

933447

10  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Activating a Semiconductorâ€™Liquid Junction via Laserâ€™Derived Dual Interfacial Layers for Boosted Photoelectrochemical Water Splitting. <i>Advanced Materials</i> , 2022, 34, e2201140.	21.0	34
2	Boosting the solar water oxidation performance of BiVO <sub>4</sub> photoanode via non-stoichiometric ratio drived surface reconstruction. <i>Journal of Power Sources</i> , 2022, 528, 231242.	7.8	10
3	Boosting carrier dynamics of BiVO <sub>4</sub> photoanode via heterostructuring with ultrathin BiOI nanosheets for enhanced solar water splitting. <i>Journal of Materials Science and Technology</i> , 2021, 79, 21-28.	10.7	18
4	Recent advances on interfacial engineering of hematite photoanodes for viable photoâ€™electrochemical water splitting. <i>Engineering Reports</i> , 2021, 3, e12387.	1.7	14
5	Black BiVO <sub>4</sub> : size tailored synthesis, rich oxygen vacancies, and sodium storage performance. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1636-1645.	10.3	58
6	Gradient Ti-doping in hematite photoanodes for enhanced photoelectrochemical performance. <i>Journal of Power Sources</i> , 2020, 449, 227473.	7.8	34
7	Surface defect passivation of Ta <sub>3</sub> N <sub>5</sub> photoanode via pyridine grafting for enhanced photoelectrochemical performance. <i>Journal of Chemical Physics</i> , 2020, 153, 024705.	3.0	5
8	Porous CuBi <sub>2</sub> O <sub>4</sub> photocathodes with rationally engineered morphology and composition towards high-efficiency photoelectrochemical performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21997-22004.	10.3	53
9	Ordered porous BiVO <sub>4</sub> based gas sensors with high selectivity and fast-response towards H <sub>2</sub> S. <i>Chemical Engineering Journal</i> , 2019, 375, 121924.	12.7	50
10	Embedding laser generated nanocrystals in BiVO <sub>4</sub> photoanode for efficient photoelectrochemical water splitting. <i>Nature Communications</i> , 2019, 10, 2609.	12.8	140
11	Boosting hematite photoelectrochemical water splitting by decoration of TiO <sub>2</sub> at the grain boundaries. <i>Chemical Engineering Journal</i> , 2019, 368, 959-967.	12.7	54
12	Recent advances in rational engineering of multinary semiconductors for photoelectrochemical hydrogen generation. <i>Nano Energy</i> , 2018, 51, 457-480.	16.0	140
13	Effects of SiC shape and oxidation on the infrared emissivity properties of ZrB <sub>2</sub> â€™SiC ceramics. <i>Journal of Alloys and Compounds</i> , 2015, 625, 1-7.	5.5	43