Jie Jian

List of Publications by Year
in descending order

13	653	933447 10	1125743 13
papers	citations	h-index	g-index

14	14	14	884
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent advances in rational engineering of multinary semiconductors for photoelectrochemical hydrogen generation. Nano Energy, 2018, 51, 457-480.	16.0	140
2	Embedding laser generated nanocrystals in BiVO4 photoanode for efficient photoelectrochemical water splitting. Nature Communications, 2019, 10, 2609.	12.8	140
3	Black BiVO₄: size tailored synthesis, rich oxygen vacancies, and sodium storage performance. Journal of Materials Chemistry A, 2020, 8, 1636-1645.	10.3	58
4	Boosting hematite photoelectrochemical water splitting by decoration of TiO2 at the grain boundaries. Chemical Engineering Journal, 2019, 368, 959-967.	12.7	54
5	Porous CuBi₂O₄ photocathodes with rationally engineered morphology and composition towards high-efficiency photoelectrochemical performance. Journal of Materials Chemistry A, 2019, 7, 21997-22004.	10.3	53
6	Ordered porous BiVO4 based gas sensors with high selectivity and fast-response towards H2S. Chemical Engineering Journal, 2019, 375, 121924.	12.7	50
7	Effects of SiC shape and oxidation on the infrared emissivity properties of ZrB2â€“SiC ceramics. Journal of Alloys and Compounds, 2015, 625, 1-7.	5.5	43
8	Gradient Ti-doping in hematite photoanodes for enhanced photoelectrochemical performance. Journal of Power Sources, 2020, 449, 227473.	7.8	34
9	Activating a Semiconductorâ€“Liquid Junction via Laserâ€Derived Dual Interfacial Layers for Boosted Photoelectrochemical Water Splitting. Advanced Materials, 2022, 34, e2201140.	21.0	34
10	Boosting carrier dynamics of BiVO4 photoanode via heterostructuring with ultrathin BiOI nanosheets for enhanced solar water splitting. Journal of Materials Science and Technology, 2021, 79, 21-28.	10.7	18
11	Recent advances on interfacial engineering of hematite photoanodes for viable photoâ€electrochemical water splitting. Engineering Reports, 2021, 3, e12387.	1.7	14
12	Boosting the solar water oxidation performance of BiVO4 photoanode via non-stoichiometric ratio drived surface reconstruction. Journal of Power Sources, 2022, 528, 231242.	7.8	10
13	Surface defect passivation of Ta3N5 photoanode via pyridine grafting for enhanced photoelectrochemical performance. Journal of Chemical Physics, 2020, 153, 024705.	3.0	5