

Morteza Kolaei

List of Publications by Year in descending order

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9
papers

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citations

1040056

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216
citing authors

#	ARTICLE	IF	CITATIONS
1	Unified surface modification by double heterojunction of MoS ₂ nanosheets and BiVO ₄ nanoparticles to enhance the photoelectrochemical water splitting of hematite photoanode. Journal of Alloys and Compounds, 2022, 890, 161802.	5.5	33
2	A novel approach for improving photoelectrochemical water splitting performance of ZnO-CdS photoanodes: Unveiling the effect of surface roughness of ZnO nanorods on distribution of CdS nanoparticles. Journal of Alloys and Compounds, 2022, 906, 164314.	5.5	34
3	Highly efficient and stable WO ₃ /MoS ₂ -MoOX photoanode for photoelectrochemical hydrogen production; a collaborative approach of facet engineering and P-N junction. Chemical Engineering Journal, 2022, 446, 136830.	12.7	18
4	Optimal growth of sodium titanate nanoflower on TiO ₂ thin film for the fabrication of a novel Ti/TiO ₂ /Na ₂ Ti ₃ O ₇ photoanode with excellent stability. Journal of Alloys and Compounds, 2022, 913, 165337.	5.5	9
5	Efficient and stable core-shell Fe ₂ O ₃ /WS ₂ /WO _x photoanode for oxygen evolution reaction to enhance photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2022, 313, 121447.	20.2	39
6	The synergistic effects of acid treatment and silver (Ag) loading for substantial improvement of photoelectrochemical and photocatalytic activity of Na ₂ Ti ₃ O ₇ /TiO ₂ nanocomposite. Applied Surface Science, 2021, 540, 148359.	6.1	22
7	Decoration of CdS nanoparticles on dense and multi-edge sodium titanate nanorods to form a highly efficient and stable photoanode with great enhancement in PEC performance. Environmental Science: Nano, 2021, 8, 1667-1679.	4.3	13
8	Simultaneous Enhancement of Charge Separation and Hole Transportation in a W:Fe ₂ O ₃ /MoS ₂ Photoanode: A Collaborative Approach of MoS ₂ as a Heterojunction and W as a Metal Dopant. ACS Applied Materials & Interfaces, 2021, 13, 39215-39229.	8.0	37
9	Reduced graphene oxide (RGO) on TiO ₂ for an improved photoelectrochemical (PEC) and photocatalytic activity. Solar Energy, 2019, 190, 185-194.	6.1	112