

Nurul Affiqah Arzaee

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,143
citations

687363

13
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1377
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile tuning of PbI ₂ porosity via additive engineering for humid air processable perovskite solar cells. <i>Electrochimica Acta</i> , 2022, 402, 139530.	5.2	5
2	The $\hat{\Gamma}^3$ -radiated g-C ₃ N ₄ additive for highly conductive electron transport layer in polymer solar cells. <i>Materials Letters</i> , 2022, 308, 131297.	2.6	3
3	Accelerating the controlled synthesis of WO ₃ photoanode by modifying aerosol-assisted chemical vapour deposition for photoelectrochemical water splitting. <i>Chemical Engineering Science</i> , 2022, 252, 117294.	3.8	5
4	Motion-dispensing as an effective strategy for preparing efficient high-humidity processed perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157320.	5.5	5
5	Cyclic voltammetry - A promising approach towards improving photoelectrochemical activity of hematite. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156757.	5.5	14
6	Direct extrapolation techniques on the energy band diagram of BiVO ₄ thin films. <i>Physica B: Condensed Matter</i> , 2021, 604, 412719.	2.7	42
7	Improving the stability and efficiency of polymer solar cells by $\hat{\Gamma}^3$ -radiated graphitic carbon nitride. <i>International Journal of Energy Research</i> , 2021, 45, 15284-15297.	4.5	12
8	Superiority of two-step deposition over one-step deposition for perovskite solar cells processed in high humidity atmosphere. <i>Optical Materials</i> , 2021, 118, 111288.	3.6	9
9	Electrodeposition of BiVO ₄ with needle-like flower architecture for high performance photoelectrochemical splitting of water. <i>Ceramics International</i> , 2021, 47, 24227-24239.	4.8	19
10	A novel photoanode based on Thorium oxide (ThO ₂) incorporated with graphitic Carbon nitride (g-C ₃ N ₄) for Photoelectrochemical water splitting. <i>Applied Surface Science</i> , 2021, 569, 151043.	6.1	25
11	WTa ₃₇ O _{95.487} Nanocatalyst for Pollutant Degradation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27148-27158.	3.1	2
12	Fabrication of exfoliated graphitic carbon nitride, (g-C ₃ N ₄) thin film by methanolic dispersion. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152916.	5.5	49
13	Boosting photocatalytic activities of BiVO ₄ by creation of g-C ₃ N ₄ /ZnO@BiVO ₄ Heterojunction. <i>Materials Research Bulletin</i> , 2020, 125, 110779.	5.2	59
14	Nanostructure-assisted charge transfer in $\hat{\Gamma}^3$ -Fe ₂ O ₃ /g-C ₃ N ₄ heterojunctions for efficient and highly stable photoelectrochemical water splitting. <i>Dalton Transactions</i> , 2020, 49, 11317-11328.	3.3	27
15	Rapid fabrication of oxygen defective $\hat{\Gamma}^3$ -Fe ₂ O ₃ (110) for enhanced photoelectrochemical activities. <i>Dalton Transactions</i> , 2020, 49, 12037-12048.	3.3	36
16	High-humidity processed perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10481-10518.	10.3	56
17	Effect of Oxygen Vacancies in Electron Transport Layer for Perovskite Solar Cells. , 2020, , 283-305.		3
18	Digital Light Processing 3-Dimensional Printer to Manufacture Electrolyzer Bipolar Plate. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012039.	0.3	2

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19	Aerosol-assisted chemical vapour deposition of Fe^{2+} - Fe_2O_3 nanoflowers for photoelectrochemical water splitting. <i>Ceramics International</i> , 2019, 45, 16797-16802.	4.8	53
20	Efficient Photoelectrochemical Performance of Fe^{3+} Irradiated $\text{g-C}_3\text{N}_4$ and Its $\text{g-C}_3\text{N}_4/\text{BiVO}_4$ Heterojunction for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9013-9026.	3.1	93
21	Eliminating oxygen vacancies in SnO_2 films via aerosol-assisted chemical vapour deposition for perovskite solar cells and photoelectrochemical cells. <i>Journal of Alloys and Compounds</i> , 2019, 773, 997-1008.	5.5	79
22	Enhanced photoelectrochemical performance of Z-scheme $\text{g-C}_3\text{N}_4/\text{BiVO}_4$ photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 296-310.	20.2	301
23	Graphitic carbon nitride ($\text{g-C}_3\text{N}_4$) electrodes for energy conversion and storage: a review on photoelectrochemical water splitting, solar cells and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22346-22380.	10.3	244