Nurul Affiqah Arzaee

List of Publications by Year
in descending order

23	1,143	687363 13	677142 22
papers	citations	h-index	g-index

23	23	23	1377
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced photoelectrochemical performance of Z-scheme g-C3N4/BiVO4 photocatalyst. Applied Catalysis B: Environmental, 2018, 234, 296-310.	20.2	301
2	Graphitic carbon nitride (g-C₃N₄) electrodes for energy conversion and storage: a review on photoelectrochemical water splitting, solar cells and supercapacitors. Journal of Materials Chemistry A, 2018, 6, 22346-22380.	10.3	244
3	Efficient Photoelectrochemical Performance of Î³ Irradiated g-C₃N₄ and Its g-C₃N₄@BiVO₄ Heterojunction for Solar Water Splitting. Journal of Physical Chemistry C, 2019, 123, 9013-9026.	3.1	93
4	Eliminating oxygen vacancies in SnO2 films via aerosol-assisted chemical vapour deposition for perovskite solar cells and photoelectrochemical cells. Journal of Alloys and Compounds, 2019, 773, 997-1008.	5.5	79
5	Boosting photocatalytic activities of BiVO4 by creation of g-C3N4/ZnO@BiVO4 Heterojunction. Materials Research Bulletin, 2020, 125, 110779.	5.2	59
6	High-humidity processed perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 10481-10518.	10.3	56
7	Aerosol-assisted chemical vapour deposition of Î±-Fe2O3 nanoflowers for photoelectrochemical water splitting. Ceramics International, 2019, 45, 16797-16802.	4.8	53
8	Fabrication of exfoliated graphitic carbon nitride, (g-C3N4) thin film by methanolic dispersion. Journal of Alloys and Compounds, 2020, 818, 152916.	5.5	49
9	Direct extrapolation techniques on the energy band diagram of BiVO4 thin films. Physica B: Condensed Matter, 2021, 604, 412719.	2.7	42
10	Rapid fabrication of oxygen defective Î±-Fe₂O₃(110) for enhanced photoelectrochemical activities. Dalton Transactions, 2020, 49, 12037-12048.	3.3	36
11	Nanostructure-assisted charge transfer in Î±-Fe₂O₃/g-C₃N₄ heterojunctions for efficient and highly stable photoelectrochemical water splitting. Dalton Transactions, 2020, 49, 11317-11328.	3.3	27
12	A novel photoanode based on Thorium oxide (ThO2) incorporated with graphitic Carbon nitride (g-C3N4) for Photoelectrochemical water splitting. Applied Surface Science, 2021, 569, 151043.	6.1	25
13	Electrodeposition of BiVO4 with needle-like flower architecture for high performance photoelectrochemical splitting of water. Ceramics International, 2021, 47, 24227-24239.	4.8	19
14	Cyclic voltammetry - A promising approach towards improving photoelectrochemical activity of hematite. Journal of Alloys and Compounds, 2021, 852, 156757.	5.5	14
15	Improving the stability and efficiency of polymer solar cells by Î³â€irradiated graphitic carbon nitride. International Journal of Energy Research, 2021, 45, 15284-15297.	4.5	12
16	Superiority of two-step deposition over one-step deposition for perovskite solar cells processed in high humidity atmosphere. Optical Materials, 2021, 118, 111288.	3.6	9
17	Motion-dispensing as an effective strategy for preparing efficient high-humidity processed perovskite solar cells. Journal of Alloys and Compounds, 2021, 854, 157320.	5.5	5
18	Facile tuning of PbI2 porosity via additive engineering for humid air processable perovskite solar cells. Electrochimica Acta, 2022, 402, 139530.	5.2	5

#	Article	IF	Citations
19	Accelerating the controlled synthesis of WO3 photoanode by modifying aerosol-assisted chemical vapour deposition for photoelectrochemical water splitting. Chemical Engineering Science, 2022, 252, 117294.	3.8	5
20	Effect of Oxygen Vacancies in Electron Transport Layer for Perovskite Solar Cells. , 2020, , 283-305.		3
21	The Î³-radiated g-C3N4 additive for highly conductive electron transport layer in polymer solar cells. Materials Letters, 2022, 308, 131297.	2.6	3
22	Digital Light Processing 3-Dimensional Printer to Manufacture Electrolyzer Bipolar Plate. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012039.	0.3	2
23	WTa₃₇O_{95.487} Nanocatalyst for Pollutant Degradation. Journal of Physical Chemistry C, 2021, 125, 27148-27158.	3.1	2