

Nurul Aida Mohamed

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,314
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1486
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photoelectrochemical performance of Z-scheme g-C ₃ N ₄ /BiVO ₄ photocatalyst. Applied Catalysis B: Environmental, 2018, 234, 296-310.	20.2	301
2	Graphitic carbon nitride (g-C ₃ N ₄) 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 γ Irradiated g-C ₃ N ₄ and Its g-C ₃ N ₄ @BiVO ₄ Heterojunction for Solar Water Splitting. Journal of Physical Chemistry C, 2019, 123, 9013-9026.	3.1	93
4	Eliminating oxygen vacancies in SnO ₂ 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	Facile fabrication of graphitic carbon nitride, (g-C ₃ N ₄) thin film. Journal of Alloys and Compounds, 2018, 769, 130-135.	5.5	60
6	Boosting photocatalytic activities of BiVO ₄ by creation of g-C ₃ N ₄ /ZnO@BiVO ₄ Heterojunction. Materials Research Bulletin, 2020, 125, 110779.	5.2	59
7	High-humidity processed perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 10481-10518.	10.3	56
8	The influences of post-annealing temperatures on fabrication graphitic carbon nitride, (g-C ₃ N ₄) thin film. Applied Surface Science, 2019, 489, 92-100.	6.1	55
9	Aerosol-assisted chemical vapour deposition of γ -Fe ₂ O ₃ nanoflowers for photoelectrochemical water splitting. Ceramics International, 2019, 45, 16797-16802.	4.8	53
10	Fabrication of exfoliated graphitic carbon nitride, (g-C ₃ N ₄) thin film by methanolic dispersion. Journal of Alloys and Compounds, 2020, 818, 152916.	5.5	49
11	Direct extrapolation techniques on the energy band diagram of BiVO ₄ thin films. Physica B: Condensed Matter, 2021, 604, 412719.	2.7	42
12	Rapid fabrication of oxygen defective γ -Fe ₂ O ₃ (110) for enhanced photoelectrochemical activities. Dalton Transactions, 2020, 49, 12037-12048.	3.3	36
13	Simultaneous enhancement in light absorption and charge transportation of bismuth vanadate (BiVO ₄) photoanode via microwave annealing. Materials Letters, 2018, 233, 67-70.	2.6	31
14	Incorporation of g-C ₃ N ₄ /Ag dopant in TiO ₂ as electron transport layer for organic solar cells. Materials Letters, 2019, 253, 117-120.	2.6	29
15	Nanostructure-assisted charge transfer in γ -Fe ₂ O ₃ /g-C ₃ N ₄ heterojunctions for efficient and highly stable photoelectrochemical water splitting. Dalton Transactions, 2020, 49, 11317-11328.	3.3	27
16	A novel photoanode based on Thorium oxide (ThO ₂) incorporated with graphitic Carbon nitride (g-C ₃ N ₄) for Photoelectrochemical water splitting. Applied Surface Science, 2021, 569, 151043.	6.1	25
17	Electrodeposition of BiVO ₄ with needle-like flower architecture for high performance photoelectrochemical splitting of water. Ceramics International, 2021, 47, 24227-24239.	4.8	19
18	Cyclic voltammetry - A promising approach towards improving photoelectrochemical activity of hematite. Journal of Alloys and Compounds, 2021, 852, 156757.	5.5	14

#	ARTICLE	IF	CITATIONS
19	Improving the stability and efficiency of polymer solar cells by γ -radiated graphitic carbon nitride. International Journal of Energy Research, 2021, 45, 15284-15297.	4.5	12
20	Low Temperature Fabrication of Transparent Conductive Electrode With High Ultraviolet Transmittance Down to Wavelength of 250nm. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800441.	2.4	7
21	Motion-dispersing as an effective strategy for preparing efficient high-humidity processed perovskite solar cells. Journal of Alloys and Compounds, 2021, 854, 157320.	5.5	5
22	Peningkatan Kecekapan Pemisahan Air Menggunakan g-C3N4 yang Disinar Gama. Sains Malaysiana, 2019, 48, 1129-1135.	0.5	5
23	Facile tuning of Pbl2 porosity via additive engineering for humid air processable perovskite solar cells. Electrochimica Acta, 2022, 402, 139530.	5.2	5
24	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
25	The γ -radiated g-C3N4 additive for highly conductive electron transport layer in polymer solar cells. Materials Letters, 2022, 308, 131297.	2.6	3