

# Mohd Adib Ibrahim

## List of Publications by Year in descending order

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82  
papers

2,429  
citations

279798

23  
h-index

206112

48  
g-index

83  
all docs

83  
docs citations

83  
times ranked

3708  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible longitudinal and transversal displacement sensors based on a composite of CI Disperse Orange 25 and carbon nanotubes. <i>Coloration Technology</i> , 2022, 138, 90-96.	1.5	4
2	Multifunctional organic shockproof flexible sensors based on a composite of nickel phthalocyanine colourant, carbon nanotubes and rubber created with rubbing technology. <i>Coloration Technology</i> , 2022, 138, 176-183.	1.5	6
3	Accelerating the controlled synthesis of WO <sub>3</sub> photoanode by modifying aerosol-assisted chemical vapour deposition for photoelectrochemical water splitting. <i>Chemical Engineering Science</i> , 2022, 252, 117294.	3.8	5
4	Performance-Enhancing Sulfur-Doped TiO <sub>2</sub> Photoanodes for Perovskite Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 429.	2.5	3
5	An overview of co-catalysts on metal oxides for photocatalytic water splitting. <i>International Journal of Energy Research</i> , 2022, 46, 11596-11619.	4.5	13
6	Morphological, Optical and Electrical Analysis of Ag Polymer-Nickel Low Temperature Top Electrode in Silicon Solar Cell for Tandem Application. <i>Silicon</i> , 2022, 14, 12421-12435.	3.3	4
7	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
8	Graphene dispersion as a passivation layer for the enhancement of perovskite solar cell stability. <i>Materials Chemistry and Physics</i> , 2021, 257, 123798.	4.0	17
9	Environmental Impact and Levelised Cost of Energy Analysis of Solar Photovoltaic Systems in Selected Asia Pacific Region: A Cradle-to-Grave Approach. <i>Sustainability</i> , 2021, 13, 396.	3.2	27
10	Effect of Cd <sup>2+</sup> Molar Concentration in Cd <sub>x</sub> Zn <sub>(1-x)</sub> S Thin Film by Chemical Bath Deposition Technique Using Alternative Sulfur Precursor. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 025009.	1.8	7
11	Improving Ag-TiO <sub>2</sub> nanocomposites' current density by TiCl <sub>4</sub> pretreated on FTO glass for dye-sensitised solar cells. <i>Micro and Nano Letters</i> , 2021, 16, 381-386.	1.3	3
12	Correlation of simulation and experiment for perovskite solar cells with MoS <sub>2</sub> hybrid-HTL structure. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	11
13	Ambient fabrication of perovskite solar cells through delay-deposition technique. <i>Materials for Renewable and Sustainable Energy</i> , 2021, 10, 1.	3.6	1
14	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
15	Investigation on size and conductivity of polyaniline nanofiber synthesised by surfactant-free polymerization. <i>Journal of Materials Research and Technology</i> , 2021, 14, 255-261.	5.8	17
16	Sustainability and Life-Cycle Cost Analysis of Solar Photovoltaic-Generation Systems in ASEAN Countries. <i>Economics, Law, and Institutions in Asia Pacific</i> , 2021, , 277-302.	0.6	0
17	Photodetector based on silicon-graphene heterojunction fabricated through rubbing-in technology. <i>Optik</i> , 2021, 248, 168104.	2.9	2
18	Recent Issues and Configuration Factors in Perovskite-Silicon Tandem Solar Cells towards Large Scaling Production. <i>Nanomaterials</i> , 2021, 11, 3186.	4.1	10

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19	An Overview of the Strategies for Tin Selenide Advancement in Thermoelectric Application. <i>Micromachines</i> , 2021, 12, 1463.	2.9	7
20	WTe <sub>3</sub> /O <sub>2</sub> Nanocatalyst for Pollutant Degradation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27148-27158.	3.1	2
21	Fabrication of exfoliated graphitic carbon nitride, (g-C <sub>3</sub> N <sub>4</sub> ) thin film by methanolic dispersion. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152916.	5.5	49
22	A novel and stable ultraviolet and infrared intensity sensor in impedance/capacitance modes fabricated from degraded CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3-x</sub> Cl <sub>x</sub> perovskite materials. <i>Journal of Materials Research and Technology</i> , 2020, 9, 12795-12803.	5.8	16
23	Humidity sensing of thin film perovskite nanostructure for improved sensitivity and optical performance. <i>Journal of Materials Research and Technology</i> , 2020, 9, 13274-13281.	5.8	6
24	Tin and germanium substitution in lead free perovskite solar cell: current status and future trends. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 957, 012057.	0.6	5
25	Fabrication and Microelectronic Properties of Hybrid Organic-Inorganic (poly(9,9)-Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507) 2020, 10, 7974.	2.5	8
26	A novel and stable way for energy harvesting from Bi <sub>2</sub> Te <sub>3</sub> Se alloy based semitransparent photo-thermoelectric module. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156702.	5.5	14
27	A Brief Review on Smart Grid Residential Network Schemes. <i>Sains Malaysiana</i> , 2020, 49, 2989-2996.	0.5	6
28	Effect of Chenodeoxycholic Acid on the Performance of Dye-sensitized Solar Cells utilizing Pinang Palm (Areca catechu) Dye. <i>Sains Malaysiana</i> , 2020, 49, 3017-3028.	0.5	7
29	Electrochemical Properties of Natural Sensitizer from <i>Garcinia mangostana</i> and <i>Archidendron pauciflorum</i> Pericarps for Dye-Sensitized Solar Cell (DSSC) Application. <i>Sains Malaysiana</i> , 2020, 49, 3007-3015.	0.5	1
30	Enhanced Performance of Quantum Dots Sensitized Solar Cell Utilizing Copper Indium Sulfide and Reduced-Graphene Oxide with the Presence of Silver Sulfide. <i>Sains Malaysiana</i> , 2020, 49, 2997-3005.	0.5	2
31	Optoelectronic and morphology properties of perovskite/silicon interface layer for tandem solar cell application. <i>Surface and Interface Analysis</i> , 2020, 52, 422-432.	1.8	6
32	Complementary processing methods for ZnO nanoparticles. <i>Materials Today: Proceedings</i> , 2019, 7, 646-654.	1.8	5
33	Environmental performance of window-integrated systems using dye-sensitised solar module technology in Malaysia. <i>Solar Energy</i> , 2019, 187, 379-392.	6.1	15
34	Compatibility between compact and mesoporous TiO <sub>2</sub> layers on the optimization of photocurrent density in photoelectrochemical cells. <i>Surfaces and Interfaces</i> , 2019, 17, 100341.	3.0	6
35	Efficient Photoelectrochemical Performance of $\hat{I}^3$ Irradiated g-C <sub>3</sub> N <sub>4</sub> and Its g-C <sub>3</sub> N <sub>4</sub> @BiVO <sub>4</sub> Heterojunction for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9013-9026.	3.1	93
36	Light transmission and internal scattering in pulsed laser-etched partially-transparent silicon wafers. <i>Heliyon</i> , 2019, 5, e02790.	3.2	2

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37	A review of graphene based transparent conducting films for use in solar photovoltaic applications. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 99, 83-99.	16.4	83
38	Peningkatan Kecekapan Pemisahan Air Menggunakan g-C <sub>3</sub> N <sub>4</sub> yang Disinar Gama. <i>Sains Malaysiana</i> , 2019, 48, 1129-1135.	0.5	5
39	Enhanced photoelectrochemical performance of Z-scheme g-C <sub>3</sub> N <sub>4</sub> /BiVO <sub>4</sub> photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 296-310.	20.2	301
40	Effect of Film Thickness on Photoelectrochemical Performance of SnO <sub>2</sub> Prepared via AACVD. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700570.	1.5	27
41	Electrodeposition of organic-inorganic tri-halide perovskites solar cell. <i>Journal of Power Sources</i> , 2018, 378, 717-731.	7.8	36
42	Quantum dots processed by SILAR for solar cell applications. <i>Solar Energy</i> , 2018, 163, 256-270.	6.1	56
43	Progress towards highly stable and lead-free perovskite solar cells. <i>Materials for Renewable and Sustainable Energy</i> , 2018, 7, 1.	3.6	31
44	The architecture of the electron transport layer for a perovskite solar cell. <i>Journal of Materials Chemistry C</i> , 2018, 6, 682-712.	5.5	172
45	Graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ) 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
46	Low Temperature Fabrication of Transparent Conductive Electrode With High Ultraviolet Transmittance Down to Wavelength of 250nm. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800441.	2.4	7
47	The Effect of Chenodeoxycholic Acid (CDCA) in Mangosteen ( <i>Garcinia mangostana</i> ) Pericarps Sensitizer for Dye-Sensitized Solar Cell (DSSC). <i>Journal of Physics: Conference Series</i> , 2018, 1083, 012018.	0.4	11
48	Utilization of Natural Dyes from Zingiber officinale Leaves and Clitoria ternatea Flowers to Prepare New Photosensitisers for Dye-Sensitized Solar Cells. <i>International Journal of Electrochemical Science</i> , 2018, 13, 7451-7465.	1.3	22
49	Facile fabrication of graphitic carbon nitride, (g-C <sub>3</sub> N <sub>4</sub> ) thin film. <i>Journal of Alloys and Compounds</i> , 2018, 769, 130-135.	5.5	60
50	Prospects of life cycle assessment of renewable energy from solar photovoltaic technologies: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 11-28.	16.4	236
51	Properties of zinc tin oxide thin film by aerosol assisted chemical vapor deposition (AACVD). <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
52	Simultaneous enhancement in light absorption and charge transportation of bismuth vanadate (BiVO <sub>4</sub> ) photoanode via microwave annealing. <i>Materials Letters</i> , 2018, 233, 67-70.	2.6	31
53	Towards high performance perovskite solar cells: A review of morphological control and HTM development. <i>Applied Materials Today</i> , 2018, 13, 69-82.	4.3	43
54	CO-SENSITIZATION OF NATURAL SENSITIZERS EXTRACTED FROM RENGAS ( <i>Gluta spp.</i> ) AND MENGKULANG ( <i>Heritiera elata</i> ) WOOD WITH RUTHENIUM DYE (N719) TO ENHANCE THE PERFORMANCE OF DYE-SENSITIZED SOLAR CELLS. <i>Malaysian Journal of Analytical Sciences</i> , 2018, 22, .	0.1	1

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55	EFFECTS OF DEPOSITION TIME ON OF COBALT SULFIDE THIN FILM ELECTRODE FORMATION. Malaysian Journal of Analytical Sciences, 2018, 22, .	0.1	1
56	Kebergantungan Suhu dengan Penggunaan Tiub Kuarza Relau ke atas Sel SuriaDwi-Muka. Sains Malaysiana, 2018, 47, 789-795.	0.5	0
57	Moving into the domain of perovskite sensitized solar cell. Renewable and Sustainable Energy Reviews, 2017, 72, 907-915.	16.4	20
58	Energy levels of natural sensitizers extracted from rengas (Gluta spp.) and mengkulang (Heritiera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	7
59	Characterizations of natural dye from garcinia mangostana with graphene oxide (GO) as sensitizer in dye-sensitizer solar cells. AIP Conference Proceedings, 2017, , .	0.4	2
60	Model development of monolithic tandem silicon-perovskite solar cell by SCAPS simulation. AIP Conference Proceedings, 2017, , .	0.4	13
61	Characterization of perovskite layer on various nanostructured silicon wafer. AIP Conference Proceedings, 2017, , .	0.4	2
62	Effect of temperature on the properties of SnO 2 layer fabricated via AACVD and its application in photoelectrochemical cells and organic photovoltaic devices. Solar Energy, 2017, 158, 474-482.	6.1	45
63	Review on recent performance titanium dioxide for flexible dye sensitized solar cell. , 2017, , .		0
64	Analisis Arus-Voltan bagi Pengubahsuaian Proses Fabrikasi Sel Suria Silikon Jenis-P ke atas Wafer Silikon Jenis-N. Sains Malaysiana, 2017, 46, 1943-1949.	0.5	0
65	An Efficient Metal-Free Hydrophilic Carbon as a Counter Electrode for Dye-Sensitized Solar Cells. International Journal of Photoenergy, 2016, 2016, 1-7.	2.5	9
66	Application of graphene in dye and quantum dots sensitized solar cell. Solar Energy, 2016, 137, 531-550.	6.1	32
67	Prospects and challenges of perovskite type transparent conductive oxides in photovoltaic applications. Part I " Material developments. Solar Energy, 2016, 137, 371-378.	6.1	34
68	A review of organic small molecule-based hole-transporting materials for meso-structured organic-inorganic perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 15788-15822.	10.3	150
69	Prospects and challenges of perovskite type transparent conductive oxides in photovoltaic applications. Part II " Synthesis and deposition. Solar Energy, 2016, 139, 309-317.	6.1	4
70	Heterojunction Cr2O3/CuO:Ni photocathodes for enhanced photoelectrochemical performance. RSC Advances, 2016, 6, 56885-56891.	3.6	25
71	Hydrophilic carbon/TiO2 colloid composite: a potential counter electrode for dye-sensitized solar cells. Journal of Applied Electrochemistry, 2016, 46, 259-266.	2.9	13
72	MODIFICATION OF BSF LAYER IN BIFACIAL SOLAR CELL VIA PHOTOSENSITIZATION OF MOLECULES NANOSTRUCTURE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0

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73	Influence of ethylene glycol on efficient photoelectrochemical activity of BiVO <sub>4</sub> photoanode via AACVD. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2910-2914.	1.8	15
74	Carbonaceous Materials and Their Advances as a Counter Electrode in Dye-Sensitized Solar Cells: Challenges and Prospects. ChemSusChem, 2015, 8, 1510-1533.	6.8	77
75	Electrodeposited p-type Co <sub>3</sub> O <sub>4</sub> with high photoelectrochemical performance in aqueous medium. RSC Advances, 2015, 5, 36820-36827.	3.6	27
76	Review of Polymer, Dye-Sensitized, and Hybrid Solar Cells. International Journal of Photoenergy, 2014, 2014, 1-12.	2.5	8
77	Fabrication of NiO photoelectrodes by aerosol-assisted chemical vapour deposition (AACVD). Physica Status Solidi - Rapid Research Letters, 2014, 8, 982-986.	2.4	16
78	A review of semiconductor materials as sensitizers for quantum dot-sensitized solar cells. Renewable and Sustainable Energy Reviews, 2014, 37, 397-407.	16.4	163
79	Determination of surface recombination velocities of organic monolayers on silicon through Kelvin probe. Applied Physics Letters, 2013, 103, .	3.3	2
80	Detailed Analysis of Shallow and Heavily-Doped Emitters for Al-BSF Bifacial Solar Cells. Advanced Materials Research, 0, 896, 459-463.	0.3	0
81	Metal Oxide BiVO <sub>4</sub> as Photoelectrode in Photoelectrochemical Solar Water Oxidation. Solid State Phenomena, 0, 253, 41-58.	0.3	3
82	Properties of Nanostructured Rutile Titanium Dioxide (TiO <sub>2</sub> ) Thin Film Deposited with Silver Sulfide (Ag <sub>2</sub> S) Quantum Dots as Photoanode for Solar Photovoltaic. Solid State Phenomena, 0, 290, 329-335.	0.3	1