

# Adnan Ibrahim

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29  
papers

1,412  
citations

14  
h-index

33  
g-index

33  
ext. papers

1,769  
ext. citations

5.8  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
29	Recent advances in flat plate photovoltaic/thermal (PV/T) solar collectors. <i>Renewable and Sustainable Energy Reviews</i> , <b>2011</b> , 15, 352-365	16.2	277
28	Performance analysis of photovoltaic thermal (PVT) water collectors. <i>Energy Conversion and Management</i> , <b>2014</b> , 78, 641-651	10.6	235
27	Evaluation of the nanofluid and nano-PCM based photovoltaic thermal (PVT) system: An experimental study. <i>Energy Conversion and Management</i> , <b>2017</b> , 151, 693-708	10.6	214
26	Efficiencies and improvement potential of building integrated photovoltaic thermal (BIPVT) system. <i>Energy Conversion and Management</i> , <b>2014</b> , 77, 527-534	10.6	153
25	Comparison of prediction methods of PV/T nanofluid and nano-PCM system using a measured dataset and artificial neural network. <i>Solar Energy</i> , <b>2018</b> , 162, 378-396	6.8	107
24	Comparison study of indoor/outdoor experiments of a photovoltaic thermal PV/T system containing SiC nanofluid as a coolant. <i>Energy</i> , <b>2018</b> , 151, 33-44	7.9	75
23	Predicting the performance of amorphous and crystalline silicon based photovoltaic solar thermal collectors. <i>Energy Conversion and Management</i> , <b>2011</b> , 52, 1741-1747	10.6	54
22	Photovoltaic-thermal (PV/T) technology □The future energy technology. <i>Renewable Energy</i> , <b>2013</b> , 49, 171-174	8.1	48
21	Energy and exergy analyses of photovoltaic thermal collector with $\gamma$ -groove. <i>Solar Energy</i> , <b>2018</b> , 159, 742-750	6.8	46
20	Energy economic analysis of photovoltaic thermal-thermoelectric (PVT-TE) air collectors. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 92, 187-197	16.2	42
19	Hybrid Photovoltaic Thermal (PV/T) Air and Water Based Solar Collectors Suitable for Building Integrated Applications. <i>American Journal of Environmental Sciences</i> , <b>2009</b> , 5, 618-624	0.5	38
18	TiO <sub>2</sub> /water-based photovoltaic thermal (PVT) collector: Novel theoretical approach. <i>Energy</i> , <b>2019</b> , 183, 305-314	7.9	30
17	An innovative technique of passive cooling PV module using lapping fins and planner reflector. <i>Case Studies in Thermal Engineering</i> , <b>2020</b> , 19, 100607	5.6	25
16	Optimal fin parameters used for enhancing the melting and solidification of phase-change material in a heat exchanger unite. <i>Case Studies in Thermal Engineering</i> , <b>2019</b> , 14, 100487	5.6	21
15	Performance Study of a Photovoltaic Thermal System With an Oscillatory Flow Design. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2014</b> , 136,	2.3	10
14	Experimental and economic analysis of passive cooling PV module using fins and planar reflector. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 23, 100801	5.6	10
13	Recent advances in passive cooling methods for photovoltaic performance enhancement. <i>International Journal of Electrical and Computer Engineering</i> , <b>2021</b> , 11, 146	1.4	6

12	Concepts and Challenges of Nanofluids and Phase Change Material (PCM) in Photovoltaic Thermal (PV/T) Collectors: A Review. <i>Jurnal Kejuruteraan</i> , <b>2018</b> , SI1, 31-36	0	3
11	Investigation of Potential of Solar Photovoltaic System as an Alternative Electric Supply on the Tropical Island of Mantanani Sabah Malaysia. <i>Sustainability</i> , <b>2021</b> , 13, 12432	3.6	3
10	Enhanced heat dissipation of truncated multi-level fin heat sink (MLFHS) in case of natural convection for photovoltaic cooling. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 28, 101578	5.6	3
9	Performance Analysis of a Double Pass Solar Air Thermal Collector with Porous Media Using Lava Rock. <i>Energies</i> , <b>2022</b> , 15, 905	3.1	2
8	Evaluation and Design Criteria of Photovoltaic Thermal (PV/T). <i>Materials Today: Proceedings</i> , <b>2019</b> , 19, 1111-1118	1.4	2
7	Exergy-based sustainability analysis of a dual fluid hybrid photovoltaic and thermal solar collector. <i>International Journal of Exergy</i> , <b>2021</b> , 35, 358	1.2	2
6	Prediction Model for the Performance of Different PV Modules Using Artificial Neural Networks. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3349	2.6	2
5	Outdoor performance evaluation of a novel photovoltaic heat sinks to enhance power conversion efficiency and temperature uniformity. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 31, 101811	5.6	1
4	Solar adsorption air conditioning system [Recent advances and its potential for cooling an office building in tropical climate. <i>Case Studies in Thermal Engineering</i> , <b>2021</b> , 27, 101275	5.6	1
3	Impact of photovoltaic grid-tied systems on national grid power factor in Palestine. <i>AIMS Energy</i> , <b>2022</b> , 10, 236-253	1.8	0
2	Heat Transfer Analysis of the Flat Plate Solar Thermal Collectors with Elliptical and Circular Serpentine Tubes. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 4519	2.6	0
1	Thermo-electro-hydraulic analysis of jet impingement bifacial photovoltaic thermal (JIBPVT) solar air collector. <i>Energy</i> , <b>2022</b> , 124366	7.9	0