

An Al-Shamani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2228880/publications.pdf>

Version: 2024-02-01

67
papers

2,510
citations

304743

22
h-index

197818

49
g-index

68
all docs

68
docs citations

68
times ranked

2965
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	Performance-Enhancing Sulfur-Doped TiO ₂ Photoanodes for Perovskite Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 429.	2.5	3
4	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
5	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
6	Improving Ag-TiO ₂ nanocomposites current density by TiCl ₄ pretreated on FTO glass for dye-sensitised solar cells. <i>Micro and Nano Letters</i> , 2021, 16, 381-386.	1.3	3
7	Correlation of simulation and experiment for perovskite solar cells with MoS ₂ hybrid-HTL structure. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	11
8	Ambient fabrication of perovskite solar cells through delay-deposition technique. <i>Materials for Renewable and Sustainable Energy</i> , 2021, 10, 1.	3.6	1
9	Recent Issues and Configuration Factors in Perovskite-Silicon Tandem Solar Cells towards Large Scaling Production. <i>Nanomaterials</i> , 2021, 11, 3186.	4.1	10
10	An Overview of the Strategies for Tin Selenide Advancement in Thermoelectric Application. <i>Micromachines</i> , 2021, 12, 1463.	2.9	7
11	W ₃ O ₉ Nanocatalyst for Pollutant Degradation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27148-27158.	3.1	2
12	Fabrication and Microelectronic Properties of Hybrid Organic-Inorganic (poly(9,9)-TfEQqO O rgBT /Overlock 10 Tf 50 307 Td (dioc 2020, 10, 7974.	2.5	8
13	A novel and stable way for energy harvesting from Bi ₂ Te ₃ Se alloy based semitransparent photo-thermoelectric module. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156702.	5.5	14
14	Evaluation of solar-assisted absorption refrigeration cycle by using a multi-ejector. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1477-1481.	3.6	10
15	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
16	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
17	Thermodynamic analysis of new concepts for enhancing cooling of PV panels for grid-connected PV systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 147-157.	3.6	19
18	Fabrication of Cu ₂ SnS ₃ thin film solar cells by sulphurization of sequentially sputtered Sn/CuSn metallic stacked precursors. <i>Solar Energy</i> , 2019, 177, 262-273.	6.1	24

#	ARTICLE	IF	CITATIONS
19	Prospects of Ternary Cd _{1-x} Zn _x S as an Electron Transport Layer and Associated Interface Defects in a Planar Lead Halide Perovskite Solar Cell via Numerical Simulation. <i>Journal of Electronic Materials</i> , 2018, 47, 3051-3058.	2.2	13
20	Mathematical and experimental evaluation of thermal and electrical efficiency of PV/T collector using different water based nano-fluids. <i>Energy</i> , 2018, 145, 770-792.	8.8	63
21	Progress towards highly stable and lead-free perovskite solar cells. <i>Materials for Renewable and Sustainable Energy</i> , 2018, 7, 1.	3.6	31
22	Investigation of rheological and corrosion properties of graphene-based eutectic salt. <i>Journal of Materials Science</i> , 2018, 53, 692-707.	3.7	8
23	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
24	Graphitic carbon nitride (g-C ₃ 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
25	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
26	Benzodithiazole-Based Hole-Transporting Material for Efficient Perovskite Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2497-2503.	2.7	8
27	Synthesis of sphere-like-crystal CdS powder and thin films using chemical residue in chemical bath deposition (CBD) for thin film solar cell application. <i>Solar Energy</i> , 2018, 173, 120-125.	6.1	13
28	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
29	Properties of zinc tin oxide thin film by aerosol assisted chemical vapor deposition (AACVD). <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
30	Experimental investigation of jet array nanofluids impingement in photovoltaic/thermal collector. <i>Solar Energy</i> , 2017, 144, 321-334.	6.1	149
31	Energy levels of natural sensitizers extracted from rengas (<i>Gluta spp.</i>) and mengkulang (<i>Heritiera</i>) Tj ETQq1 1 0.784314 rgBT ₇ /Overloc	3.6	7
32	Performance enhancement of photovoltaic grid-connected system using PVT panels with nanofluid. <i>Solar Energy</i> , 2017, 150, 38-48.	6.1	23
33	Characterizations of natural dye from garcinia mangostana with graphene oxide (GO) as sensitizer in dye-sensitizer solar cells. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
34	Characterization of perovskite layer on various nanostructured silicon wafer. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
35	Process optimisation for n-type Bi ₂ Te ₃ films electrodeposited on flexible recycled carbon fibre using response surface methodology. <i>Journal of Materials Science</i> , 2017, 52, 11467-11481.	3.7	18
36	Experimental evaluation of single stage ejector-absorption cooling cycle under different design configurations. <i>Solar Energy</i> , 2017, 155, 130-141.	6.1	19

#	ARTICLE	IF	CITATIONS
37	An experimental investigation of SiC nanofluid as a base-fluid for a photovoltaic thermal PV/T system. Energy Conversion and Management, 2017, 142, 547-558.	9.2	240
38	Enhancement aspects of single stage absorption cooling cycle: A detailed review. Renewable and Sustainable Energy Reviews, 2017, 77, 1010-1045.	16.4	43
39	Modeling and simulation of highly efficient ultra-thin CIGS solar cell with MoSe ₂ tunnel. , 2017, , .		2
40	A new optimization approach for shell and tube heat exchangers by using electromagnetism-like algorithm (EM). Heat and Mass Transfer, 2016, 52, 2621-2634.	2.1	9
41	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
42	Experimental studies of rectangular tube absorber photovoltaic thermal collector with various types of nanofluids under the tropical climate conditions. Energy Conversion and Management, 2016, 124, 528-542.	9.2	187
43	Heterojunction Cr ₂ O ₃ /CuO:Ni photocathodes for enhanced photoelectrochemical performance. RSC Advances, 2016, 6, 56885-56891.	3.6	25
44	The role of climatic-design-operational parameters on combined PV/T collector performance: A critical review. Renewable and Sustainable Energy Reviews, 2016, 57, 602-647.	16.4	91
45	Study of heat transfer due to turbulent flow of nanofluids through rib-groove channel. IOP Conference Series: Materials Science and Engineering, 2015, 88, 012017.	0.6	0
46	Theoretical Study of New Combined Absorption-Ejector Refrigeration System. IOP Conference Series: Materials Science and Engineering, 2015, 88, 012059.	0.6	1
47	High Quality CdS Thin Film Growth by Avoiding Anomalies in Chemical Bath Deposition for Large Area Thin Film Solar Cell Application. Journal of Nanoscience and Nanotechnology, 2015, 15, 9240-9245.	0.9	8
48	Numerical analysis of hybrid perovskite solar cells using inorganic hole conducting material. , 2015, , .		2
49	Performance enhancement of ejector-absorption cooling cycle by re-arrangement of solution streamlines and adding RHE. Applied Thermal Engineering, 2015, 77, 65-75.	6.0	26
50	Enhancement heat transfer characteristics in the channel with Trapezoidal rib-groove using nanofluids. Case Studies in Thermal Engineering, 2015, 5, 48-58.	5.7	74
51	Evaluating ejector efficiency working under intermediate pressure of flash tank-absorption cooling cycle: Parametric study. Chemical Engineering and Processing: Process Intensification, 2015, 95, 222-234.	3.6	12
52	Enhance heat transfer in the channel with V-shaped wavy lower plate using liquid nanofluids. Case Studies in Thermal Engineering, 2015, 5, 13-23.	5.7	36
53	The role of enhancement techniques on heat and mass transfer characteristics of shell and tube spray evaporator: a detailed review. Applied Thermal Engineering, 2015, 75, 923-940.	6.0	49
54	Design characteristics of corrugated trapezoidal plate heat exchangers using nanofluids. Chemical Engineering and Processing: Process Intensification, 2015, 87, 88-103.	3.6	74

#	ARTICLE	IF	CITATIONS
55	Long standing tracheal foreign body in children: A case report. Egyptian Journal of Ear, Nose, Throat and Allied Sciences, 2014, 15, 57-59.	0.1	5
56	Nanofluids for improved efficiency in cooling solar collectors – A review. Renewable and Sustainable Energy Reviews, 2014, 38, 348-367.	16.4	145
57	Design of a cost-efficient solar energy based electrical power generation system for a remote Island - Pulau Perhentian Besar in Malaysia. , 2013, , .		10
58	Thermal and hydraulic characteristics of turbulent nanofluids flow in a ribbed-groove channel. International Communications in Heat and Mass Transfer, 2012, 39, 1584-1594.	5.6	87
59	Mechanical design and analysis of innovative integrated circuit test socket. , 2011, , .		2
60	Physical and optical properties of In ₂ S ₃ thin films deposited by thermal evaporation technique for CIGS solar cells. , 2011, , .		1
61	ZnCdS as prospective window layer in CdTe thin film solar cells from numerical analysis. , 2011, , .		4
62	Prospects of Cu ₂ ZnSnS ₄ (CZTS) solar cells from numerical analysis. , 2010, , .		17
63	Investigation of different buffer layers, front and back contacts for CdS/CdTe PV from numerical analysis. , 2009, , .		2
64	Microcontroller based smart charge controller for standalone solar photovoltaic power systems. , 2009, , .		9
65	Enhancing the efficiency of CdTe thin film solar cells by inserting novel back contact buffer layers. , 2009, , .		0
66	A numerical analysis on CdS:O window layer for higher efficiency CdTe solar cells. , 2009, , .		6
67	Analysis of Spectral Transmission in Si Solar Cell with Pyramidal Texturization by Using PC3S Simulation. Silicon, 0, , 1.	3.3	1