

Saim Memon

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

771
citations

535685
17
h-index

651938
25
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62
all docs

62
docs citations

62
times ranked

461
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart green charging scheme of centralized electric vehicle stations. <i>International Journal of Green Energy</i> , 2022, 19, 490-498.	2.1	17
2	A dual-phase-lag (DPL) transient non-Fourier heat transfer analysis of functional graded cylindrical material under axial heat flux. <i>International Communications in Heat and Mass Transfer</i> , 2022, 131, 105858.	2.9	30
3	The Influence of Forced Convective Heat Transfer on Hybrid Nanofluid Flow in a Heat Exchanger with Elliptical Corrugated Tubes: Numerical Analyses and Optimization. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2780.	1.3	5
4	An assessment for the viability of recovering heat from a smoke extract system. <i>Energy and Built Environment</i> , 2022, , .	2.9	1
5	A Review of Various Fast Charging Power and Thermal Protocols for Electric Vehicles Represented by Lithium-Ion Battery Systems. <i>Future Transportation</i> , 2022, 2, 281-299.	1.3	16
6	An Investigation of the Policies and Crucial Sectors of Smart Cities Based on IoT Application. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2672.	1.3	28
7	A solar thermal driven ORC-VFR system employed in subtropical Mediterranean climatic building. <i>Energy</i> , 2022, 250, 123819.	4.5	18
8	A new fusion-edge sealed vacuum for concentrated photovoltaic/thermal solar collector in comparison to a conventional system. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 102003.	2.8	2
9	Comparative evaluation of Al -based intelligent GEP and ANFIS models in prediction of thermophysical properties of Fe_3O_4 -coated MWCNT hybrid nanofluids for potential application in energy systems. <i>International Journal of Energy Research</i> , 2022, 46, 19242-19257.	2.2	38
10	Theoretical and Experimental Analysis of a New Intelligent Charging Controller for Off-Board Electric Vehicles Using PV Standalone System Represented by a Small-Scale Lithium-Ion Battery. <i>Sustainability</i> , 2022, 14, 7396.	1.6	2
11	Experimental Study of Electric Power Generation with Concentrated Solar Thermoelectric Generator. <i>Electronics (Switzerland)</i> , 2022, 11, 1867.	1.8	2
12	Flow boiling in a four-compartment heat sink for high-heat flux cooling: A parametric study. <i>Energy Conversion and Management</i> , 2021, 230, 113778.	4.4	16
13	Thermo-Economic Analysis on Integrated CO ₂ , Organic Rankine Cycles, and NaClO Plant Using Liquefied Natural Gas. <i>Energies</i> , 2021, 14, 2849.	1.6	13
14	Energy and Exergy Analyses on Seasonal Comparative Evaluation of Water Flow Cooling for Improving the Performance of Monocrystalline PV Module in Hot-Arid Climate. <i>Sustainability</i> , 2021, 13, 6084.	1.6	10
15	Thermophysics Analysis of Office Buildings with a Temperature-Humidity Coupling Strategy Under Hot-Arid Climatic Conditions. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	1.0	6
16	Investigating Smart City Development Based on Green Buildings, Electrical Vehicles and Feasible Indicators. <i>Sustainability</i> , 2021, 13, 7808.	1.6	38
17	A Sustainable Energy Distribution Configuration for Microgrids Integrated to the National Grid Using Back-to-Back Converters in a Renewable Power System. <i>Electronics (Switzerland)</i> , 2021, 10, 1826.	1.8	25
18	Predictive permanent magnet synchronous generator based small-scale wind energy system at dynamic wind speed analysis for residential net-zero energy building. <i>Malaysian Journal of ELT Research</i> , 2021, 3, 29-49.	0.1	2

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19	Enhancing the renewable energy payback period of a photovoltaic power generation system by water flow cooling. Malaysian Journal of ELT Research, 2021, 3, 73-85.	0.1	8
20	Experimental Modal Analysis of Distinguishing Microstructural Variations in Carbon Steel SA516 by Applied Heat Treatments, Natural Frequencies, and Damping Coefficients. Journal of Materials Engineering and Performance, 2021, 30, 9256-9261.	1.2	2
21	Daylighting, artificial electric lighting, solar heat gain, and space-heating energy performance analyses of electrochromic argon gas-filled smart windows retrofitted to the building. Malaysian Journal of ELT Research, 2021, 3, 50-72.	0.1	3
22	Analysis of indoor environment and performance of net-zero energy building with vacuum glazed windows. Malaysian Journal of ELT Research, 2021, 3, 1-14.	0.1	0
23	Analysis of indoor environment and insulation performance of residential house with double envelope vacuum insulation panels. Malaysian Journal of ELT Research, 2021, 3, 15-28.	0.1	0
24	Magnetron sputtering technique for analyzing the influence of RF sputtering power on microstructural surface morphology of aluminum thin films deposited on SiO ₂ /Si substrates. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	15
25	Exploring the Exhaust Emission and Efficiency of Algal Biodiesel Powered Compression Ignition Engine: Application of Box-Behnken and Desirability Based Multi-Objective Response Surface Methodology. Energies, 2021, 14, 5968.	1.6	29
26	Microstructural and Energy-Dispersive X-ray Analyses on Argon Ion Implantations in Tantalum Thin Films for Microelectronic Substrates. Electronics (Switzerland), 2021, 10, 2941.	1.8	5
27	Solar thermal performance of two innovative configurations of air-vacuum layered triple glazed windows. Renewable Energy, 2020, 150, 167-175.	4.3	30
28	Transient temperature and stress fields on bonding small glass pieces to solder glass by laser welding: Numerical modelling and experimental validation. Solar Energy, 2020, 209, 350-362.	2.9	7
29	Thermal Analysis of a New Sliding Smart Window Integrated with Vacuum Insulation, Photovoltaic, and Phase Change Material. Sustainability, 2020, 12, 7846.	1.6	9
30	Design and development of lead-free glass-metallic vacuum materials for the construction and thermal performance of smart fusion edge-sealed vacuum glazing. Energy and Buildings, 2020, 227, 110430.	3.1	18
31	Development of a new vacuum-based photovoltaic/thermal collector, and its thermal and exergy analyses. Sustainable Energy and Fuels, 2020, 4, 6251-6273.	2.5	14
32	Experimental and Theoretical Analysis of the Fast Charging Polymer Lithium-Ion Battery Based on Cuckoo Optimization Algorithm (COA). IEEE Access, 2020, 8, 140486-140496.	2.6	25
33	Thermal Analysis of a New Neutron Shielding Vacuum Multiple Glass. Sustainability, 2020, 12, 3083.	1.6	1
34	Thermal and electrical performances of semi-transparent photovoltaic glazing integrated with translucent vacuum insulation panel and vacuum glazing. Energy Conversion and Management, 2020, 215, 112920.	4.4	30
35	Thermal performance analysis of a new structured-core translucent vacuum insulation panel in comparison to vacuum glazing: Experimental and theoretically validated analyses. Solar Energy, 2020, 199, 326-346.	2.9	23
36	Laser Sealing for Vacuum Plate Glass with PbO-TiO ₂ -SiO ₂ -R _x O _y Solder. Sustainability, 2020, 12, 3118.	1.6	7

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37	Controllable Electric Vehicle Fast Charging Approach Based on Multi-Stage Charging Current Methodology. , 2020, , .		4
38	Modern Eminence and Concise Critique of Solar Thermal Energy and Vacuum Insulation Technologies for Sustainable Low-Carbon Infrastructure. Malaysian Journal of ELT Research, 2020, 1, 52-71.	0.1	13
39	Wave energy in the UK: Current scope, challenges and prognostications. Malaysian Journal of ELT Research, 2020, 2, 59-78.	0.1	1
40	Experimental and Theoretical Performance Evaluation of Parabolic trough Mirror as Solar Thermal Concentrator to Thermoelectric Generators. Malaysian Journal of ELT Research, 2020, 1, 22-38.	0.1	2
41	Analysis of a vacuum-based photovoltaic thermal collector. Energy Reports, 2020, 6, 236-242.	2.5	4
42	Dye removal with magnetic graphene nanocomposite through micro reactors. Malaysian Journal of ELT Research, 2020, 2, 79-94.	0.1	0
43	Manifestations of carbon capture-storage and ambivalence of quantum-dot & organic solar cells: An indispensable abridged review. Malaysian Journal of ELT Research, 2020, 2, 40-58.	0.1	0
44	Effect of hot-arid climatic solar energy on monocrystalline photovoltaic performance in Pakistan. Malaysian Journal of ELT Research, 2020, 2, 19-39.	0.1	0
45	Factors influencing the performance parameters of vacuum glazed smart windows to net zero energy buildings. Malaysian Journal of ELT Research, 2020, 2, 1-18.	0.1	3
46	Introductory Chapter: Introduction to Advanced Thermoelectric Materials for Energy Harvesting Applications. , 2019, , .		1
47	The influence of low-temperature surface induction on evacuation, pump-out hole sealing and thermal performance of composite edge-sealed vacuum insulated glazing. Renewable Energy, 2019, 135, 450-464.	4.3	30
48	Advanced Thermoelectric Materials for Energy Harvesting Applications. , 2019, , .		3
49	Analyzing Integrated Renewable Energy and Smart-Grid Systems to Improve Voltage Quality and Harmonic Distortion Losses at Electric-Vehicle Charging Stations. IEEE Access, 2018, 6, 26404-26415.	2.6	70
50	Experimental and Analytical Simulation Analyses on the Electrical Performance of Thermoelectric Generator Modules for Direct and Concentrated Quartz-Halogen Heat Harvesting. Energies, 2018, 11, 3315.	1.6	23
51	Thermal Conductivity Measurement of Vacuum Tight Dual- Edge Seal for the Thermal Performance Analysis of Triple Vacuum Glazing. , 2018, , .		0
52	Effect of Cavity Vacuum Pressure Diminution on Thermal Performance of Triple Vacuum Glazing. Applied Sciences (Switzerland), 2018, 8, 1705.	1.3	9
53	Predicting the solar energy and space-heating energy performance for solid-wall detached house retrofitted with the composite edge-sealed triple vacuum glazing. Energy Procedia, 2017, 122, 565-570.	1.8	15
54	Experimental measurement of hermetic edge seal's thermal conductivity for the thermal transmittance prediction of triple vacuum glazing. Case Studies in Thermal Engineering, 2017, 10, 169-178.	2.8	24

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55	Solar Energy Gain and Space-Heating Energy Supply Analyses for Solid-Wall Dwelling Retrofitted with the Experimentally Achievable U-value of Novel Triple Vacuum Glazing. Journal of Daylighting, 2017, 4, 15-25.	0.5	8
56	Design, Development and Thermal Performance Analysis of Ultra-Low Heat Loss Triple Vacuum Glazing. , 2017, , .		2
57	Integration and Management of Solar Energy for Electric Vehicle Charging Station. , 2017, , .		4
58	A new low-temperature hermetic composite edge seal for the fabrication of triple vacuum glazing. Vacuum, 2015, 120, 73-82.	1.6	43
59	Analysing the potential of retrofitting ultra-low heat loss triple vacuum glazed windows to an existing UK solid wall dwelling. International Journal of Renewable Energy Development, 2014, 3, 161-174.	1.2	17