

Muhammad Amjad

List of Publications by Year in descending order

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32
papers

815
citations

623734
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h-index

501196
28
g-index

34
all docs

34
docs citations

34
times ranked

871
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and analysis of liquid cooling plates for different flow channel configurations. Thermal Science, 2022, 26, 1463-1475.	1.1	2
2	Nexus implementation of sustainable development goals (SDGs) for sustainable public sector buildings in Pakistan. Journal of Building Engineering, 2022, 52, 104415.	3.4	4
3	Design and Parametric Optimization of the High-Speed Pico Waterwheel for Rural Electrification of Pakistan. Sustainability, 2022, 14, 6930.	3.2	6
4	Performance Investigation of a Solar Thermal Collector Based on Nanostructured Energy Materials. Frontiers in Materials, 2021, 7, .	2.4	4
5	Nanocomposites for enhanced oil recovery. , 2021, , 81-113.		1
6	Biomass waste utilization for adsorbent preparation in CO2 capture and sustainable environment applications. Sustainable Energy Technologies and Assessments, 2021, 46, 101288.	2.7	14
7	Progressing towards Sustainable Machining of Steels: A Detailed Review. Materials, 2021, 14, 5162.	2.9	15
8	Thermal Analysis and Energy Efficiency Improvements in Tunnel Kiln for Sustainable Environment. Processes, 2021, 9, 1629.	2.8	6
9	Improving the accuracy of solar radiation estimation from reanalysis datasets using surface measurements. Sustainable Energy Technologies and Assessments, 2021, 47, 101485.	2.7	4
10	Estimation of daily diffuse solar radiation from clearness index, sunshine duration and meteorological parameters for different climatic conditions. Sustainable Energy Technologies and Assessments, 2021, 47, 101544.	2.7	6
11	Nanomaterials for solar energy capture and steam generation. , 2021, , 37-48.		2
12	Dispersion stability and rheological characteristics of water and ethylene glycol based ZnO nanofluids. Thermal Science, 2021, 25, 1989-2001.	1.1	7
13	Editorial: Nanocatalysts in Biofuel Process Optimization. Frontiers in Energy Research, 2021, 9, .	2.3	0
14	Untapped renewable energy potential of crop residues in Pakistan: Challenges and future directions. Journal of Environmental Management, 2020, 256, 109924.	7.8	54
15	Maximising Yield and Engine Efficiency Using Optimised Waste Cooking Oil Biodiesel. Energies, 2020, 13, 5941.	3.1	19
16	Performance analysis of direct absorption-based parabolic trough solar collector using hybrid nanofluids. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	14
17	Performance Evaluation of a Direct Absorption Collector for Solar Thermal Energy Conversion. Energies, 2020, 13, 4956.	3.1	24
18	Effect of defocused plane on entrance and exit hole geometry of high grade steel 18CrNi8 during percussion drilling by Nd:YAG millisecond laser system. Materials Research Express, 2020, 7, 016556.	1.6	3

#	ARTICLE	IF	CITATIONS
19	Experiments on comparative performance of water thermocline storage tank with and without encapsulated paraffin wax packed bed. Applied Thermal Engineering, 2019, 147, 188-197.	6.0	44
20	Experimental photothermal performance of nanofluids under concentrated solar flux. Solar Energy Materials and Solar Cells, 2018, 182, 255-262.	6.2	55
21	Novel draw solution for forward osmosis based solar desalination. Applied Energy, 2018, 230, 220-231.	10.1	41
22	Experimental study of photothermal conversion using gold/water and MWCNT/water nanofluids. Solar Energy Materials and Solar Cells, 2018, 188, 51-65.	6.2	57
23	Off-design performance of concentrated solar heat and coal double-source boiler power generation with thermocline energy storage. Applied Energy, 2017, 189, 697-710.	10.1	40
24	Impacts of solar multiple on the performance of direct steam generation solar power tower plant with integrated thermal storage. Frontiers in Energy, 2017, 11, 461-471.	2.3	14
25	Volumetric solar heating and steam generation via gold nanofluids. Applied Energy, 2017, 206, 393-400.	10.1	136
26	Deposition pattern and tracer particle motion of evaporating multi-component sessile droplets. Journal of Colloid and Interface Science, 2017, 506, 83-92.	9.4	22
27	In Situ Production of Copper Oxide Nanoparticles in a Binary Molten Salt for Concentrated Solar Power Plant Applications. Materials, 2017, 10, 537.	2.9	32
28	Stability and Aggregation Kinetics of Titania Nanomaterials under Environmentally Realistic Conditions. Environmental Science & Technology, 2016, 50, 8462-8472.	10.0	33
29	Photothermal conversion efficiency of nanofluids: An experimental and numerical study. Solar Energy, 2016, 139, 278-289.	6.1	111
30	Geometric optimization of radiative heat transfer on surfaces of corrugated furnaces. Applied Thermal Engineering, 2016, 104, 344-357.	6.0	1
31	Quality improvement of deep-hole drilling process of AISI D2. International Journal of Advanced Manufacturing Technology, 2013, 69, 2493-2503.	3.0	40
32	Experimental comparison between R134a/R744 and R438A/R744 (drop-in) cascade refrigeration systems based on energy consumption and greenhouse gases emissions. Energy Science and Engineering, 0, , .	4.0	0