

Ataollah Khanlari

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,575
citations

279798

23
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

549
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical and experimental analysis of parallel-pass forced convection solar air heating wall with different plenum and absorber configurations. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 978-1001.	2.8	22
2	A detailed investigation of the temperature-controlled fluidized bed solar dryer: A numerical, experimental, and modeling study. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101703.	2.7	13
3	Numerical and experimental investigation of a solar absorber extension tube with turbulators for upgrading the performance of a solar dryer. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 3104-3131.	2.8	15
4	Energy and exergy analysis of a vertical solar air heater with nano-enhanced absorber coating and perforated baffles. <i>Renewable Energy</i> , 2022, 187, 586-602.	8.9	60
5	Analysis of thermal performance of an improved shell and helically coiled heat exchanger. <i>Applied Thermal Engineering</i> , 2021, 184, 116272.	6.0	42
6	Experimental and numerical analysis on using CuO-Al ₂ O ₃ /water hybrid nanofluid in a U-type tubular heat exchanger. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 519-540.	2.8	37
7	Thermal performance improvement of an indirect solar dryer with tube-type absorber packed with aluminum wool. <i>Solar Energy</i> , 2021, 217, 328-341.	6.1	52
8	Upgrading the performance of a new shell and helically coiled heat exchanger by using longitudinal fins. <i>Applied Thermal Engineering</i> , 2021, 191, 116876.	6.0	28
9	Dehumidification of sewage sludge using quonset solar tunnel dryer: An experimental and numerical approach. <i>Renewable Energy</i> , 2021, 171, 784-798.	8.9	31
10	Experimental and numerical analysis of a compact indirect solar dehumidification system. <i>Solar Energy</i> , 2021, 226, 72-84.	6.1	35
11	Energy-exergy and sustainability analysis of a PV-driven quadruple-flow solar drying system. <i>Renewable Energy</i> , 2021, 175, 1151-1166.	8.9	68
12	Energy and exergy analysis of a photovoltaic thermal (PVT) system used in solar dryer: A numerical and experimental investigation. <i>Renewable Energy</i> , 2021, 180, 410-423.	8.9	99
13	Heat transfer enhancement of finned shell and tube heat exchanger using Fe ₂ O ₃ /water nanofluid. <i>Journal of Central South University</i> , 2021, 28, 3297-3309.	3.0	22
14	Experimental investigation of effect of refrigerant gases, compressor lubricant and operating conditions on performance of a heat pump. <i>Journal of Central South University</i> , 2021, 28, 3556-3568.	3.0	15
15	Experimental and numerical study of the effect of integrating plus-shaped perforated baffles to solar air collector in drying application. <i>Renewable Energy</i> , 2020, 145, 1677-1692.	8.9	145
16	Drying municipal sewage sludge with v-groove triple-pass and quadruple-pass solar air heaters along with testing of a solar absorber drying chamber. <i>Science of the Total Environment</i> , 2020, 709, 136198.	8.0	71
17	Investigation of the influences of kaolin-deionized water nanofluid on the thermal behavior of concentric type heat exchanger. <i>Heat and Mass Transfer</i> , 2020, 56, 1453-1462.	2.1	27
18	Performance enhancement of a greenhouse dryer: Analysis of a cost-effective alternative solar air heater. <i>Journal of Cleaner Production</i> , 2020, 251, 119672.	9.3	123

#	ARTICLE	IF	CITATIONS
19	Energetic, environmental and economic analysis of drying municipal sewage sludge with a modified sustainable solar drying system. <i>Solar Energy</i> , 2020, 208, 787-799.	6.1	38
20	Testing of a novel convex-type solar absorber drying chamber in dehumidification process of municipal sewage sludge. <i>Journal of Cleaner Production</i> , 2020, 272, 122862.	9.3	54
21	Thermal performance enhancement of tube-type alternative indirect solar dryer with iron mesh modification. <i>Solar Energy</i> , 2020, 207, 1269-1281.	6.1	75
22	A comparative study on utilizing hybrid-type nanofluid in plate heat exchangers with different number of plates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	39
23	Thermal performance analysis of a quadruple-pass solar air collector assisted pilot-scale greenhouse dryer. <i>Solar Energy</i> , 2020, 203, 304-316.	6.1	82
24	Effect of turbulator modifications on the thermal performance of cost-effective alternative solar air heater. <i>Renewable Energy</i> , 2020, 158, 297-310.	8.9	77
25	Energy-exergy and enviro-economic survey of solar air heaters with various air channel modifications. <i>Renewable Energy</i> , 2020, 160, 67-85.	8.9	84
26	Experimental and CFD survey of indirect solar dryer modified with low-cost iron mesh. <i>Solar Energy</i> , 2020, 197, 371-384.	6.1	76
27	Experimental and numerical study on enhancement of heat transfer characteristics of a heat pipe utilizing aqueous clinoptilolite nanofluid. <i>Applied Thermal Engineering</i> , 2019, 160, 114001.	6.0	70
28	Simulation and experimental analysis of heat transfer characteristics in the plate type heat exchangers using TiO_2 /water nanofluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1343-1362.	2.8	75