

Mohamed Reda Salem

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

489
citations

759233

12
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

477
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance enhancement of the photovoltaic cells using Al ₂ O ₃ /PCM mixture and/or water cooling-techniques. Renewable Energy, 2019, 138, 876-890.	8.9	129
2	Experimental investigation of the performance of a hybrid photovoltaic/thermal solar system using aluminium cooling plate with straight and helical channels. Solar Energy, 2017, 157, 147-156.	6.1	54
3	Experimental investigation on the hydrothermal performance of a double-pipe heat exchanger using helical tape insert. International Journal of Thermal Sciences, 2018, 124, 496-507.	4.9	53
4	Experimental investigation on the thermal performance of a double pipe heat exchanger with segmental perforated baffles. International Journal of Thermal Sciences, 2017, 122, 39-52.	4.9	40
5	Performance enhancement of a solar still distillation unit: A field investigation. Solar Energy, 2020, 202, 326-341.	6.1	30
6	Augmentation of convective heat transfer in the cooling zone of brick tunnel kiln using guide vanes: An experimental study. International Journal of Thermal Sciences, 2017, 122, 172-185.	4.9	23
7	Effect of Coil Torsion on Heat Transfer and Pressure Drop Characteristics of Shell and Coil Heat Exchanger. Journal of Thermal Science and Engineering Applications, 2016, 8, .	1.5	20
8	Effect of $\hat{\Gamma}^3$ -Al ₂ O ₃ /water nanofluid on the thermal performance of shell and coil heat exchanger with different coil torsions. Heat and Mass Transfer, 2017, 53, 1893-1903.	2.1	19
9	Thermal performance augmentation in the cooling zone of brick tunnel kiln with two types of guide vanes. International Journal of Thermal Sciences, 2018, 130, 264-277.	4.9	18
10	Experimental Investigation of Coil Curvature Effect on Heat Transfer and Pressure Drop Characteristics of Shell and Coil Heat Exchanger. Journal of Thermal Science and Engineering Applications, 2015, 7, .	1.5	16
11	Study of the performance of a vapor compression refrigeration system using conically coiled tube-in-tube evaporator and condenser. International Journal of Refrigeration, 2019, 99, 393-407.	3.4	16
12	Experimental investigation on the hydrothermal attributes of MWCNT/water nanofluid in the shell-side of shell and semi-circular tubes heat exchanger. Applied Thermal Engineering, 2020, 176, 115438.	6.0	14
13	Effect of $\hat{\Gamma}^3$ -Al ₂ O ₃ /Water Nanofluid on Heat Transfer and Pressure Drop Characteristics of Shell and Coil Heat Exchanger With Different Coil Curvatures. Journal of Thermal Science and Engineering Applications, 2015, 7, .	1.5	10
14	Performance enhancement of a vapor compression refrigeration system using R134a/MWCNT-oil mixture and liquid-suction heat exchanger equipped with twisted tape turbulator. International Journal of Refrigeration, 2020, 120, 357-369.	3.4	10
15	Effect of package spacing on convective heat transfer from thermal sources mounted on a horizontal surface. Applied Thermal Engineering, 2018, 132, 676-685.	6.0	9
16	Maximizing the thermal performance index applying evolutionary multi-objective optimization approaches for double pipe heat exchanger. Applied Thermal Engineering, 2022, 211, 118504.	6.0	9
17	Energy and Exergy Analysis of Shell and Coil Heat Exchanger Using Water Based Al ₂ O ₃ /MWCNT Nanofluid Including Diverse Coil Geometries: An Experimental Study. Journal of Nanofluids, 2020, 9, 13-23.	2.7	7
18	Granular transport through flighted rotary drums operated at optimum-loading: Mathematical model. Drying Technology, 2020, 38, 495-505.	3.1	6

#	ARTICLE	IF	CITATIONS
19	Numerical investigations of convective heat transfer for lattice settings in brick tunnel Kiln: CFD simulation with experimental validation. Thermal Science and Engineering Progress, 2021, 24, 100934.	2.7	6
20	OPTIMIZATION OF DOUBLE PIPE-HEAT EXCHANGER WITH SINGLE SEGMENTAL PERFORATED BAFFLES. , 2018, , .		0