

# 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	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
2	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
3	Granular transport through flighted rotary drums operated at optimum-loading: Mathematical model. Drying Technology, 2020, 38, 495-505.	3.1	6
4	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
5	Performance enhancement of a solar still distillation unit: A field investigation. Solar Energy, 2020, 202, 326-341.	6.1	30
6	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
7	Energy and Exergy Analysis of Shell and Coil Heat Exchanger Using Water Based Al <sub>2</sub> O <sub>3</sub> Nanofluid Including Diverse Coil Geometries: An Experimental Study. Journal of Nanofluids, 2020, 9, 13-23.	2.7	7
8	Performance enhancement of the photovoltaic cells using Al <sub>2</sub> O <sub>3</sub> /PCM mixture and/or water cooling-techniques. Renewable Energy, 2019, 138, 876-890.	8.9	129
9	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
10	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
11	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
12	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
13	OPTIMIZATION OF DOUBLE PIPE-HEAT EXCHANGER WITH SINGLE SEGMENTAL PERFORATED BAFFLES. , 2018, , .		0
14	Effect of $\beta$ -Al <sub>2</sub> O <sub>3</sub> /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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Effect of $\text{Al}_2\text{O}_3$ /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