

# Mehran Hashemian

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

742  
citations

430874

18  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

296  
citing authors

#	ARTICLE	IF	CITATIONS
1	A complete energetic and exergetic analysis of a solar powered trigeneration system with two novel organic Rankine cycle (ORC) configurations. <i>Journal of Cleaner Production</i> , 2021, 281, 124552.	9.3	76
2	The effect of flow, thermodynamic and geometrical characteristics on exergy loss in shell and coiled tube heat exchangers. <i>Energy</i> , 2015, 91, 678-684.	8.8	63
3	Enhancement of heat transfer rate with structural modification of double pipe heat exchanger by changing cylindrical form of tubes into conical form. <i>Applied Thermal Engineering</i> , 2017, 118, 408-417.	6.0	54
4	A comprehensive second law analysis of coil side air injection in the shell and coiled tube heat exchanger: An experimental study. <i>Applied Thermal Engineering</i> , 2019, 150, 80-87.	6.0	51
5	Economic and environmental assessment using energy of a geothermal power plant. <i>Energy Conversion and Management</i> , 2021, 228, 113666.	9.2	47
6	CFD-based irreversibility analysis of avant-garde semi-O/O-shape grooving fashions of solar pond heat trade-off unit. <i>Renewable Energy</i> , 2021, 171, 328-343.	8.9	42
7	A comprehensive numerical study on multi-criteria design analyses in a novel form (conical) of double pipe heat exchanger. <i>Applied Thermal Engineering</i> , 2016, 102, 1228-1237.	6.0	41
8	A comprehensive second law analysis for tube-in-tube helically coiled heat exchangers. <i>Experimental Thermal and Fluid Science</i> , 2016, 76, 118-125.	2.7	41
9	PEM fuel cell cathode-side flow field design optimization based on multi-criteria analysis of liquid-slug dynamics. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 98, 397-412.	5.8	39
10	Inducing swirl flow inside the pipes of flat-plate solar collector by using multiple nozzles for enhancing thermal performance. <i>Renewable Energy</i> , 2021, 180, 1344-1357.	8.9	36
11	Entropic analysis of a double helical tube heat exchanger including circular depressions on both inner and outer tube. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101053.	5.7	34
12	Thermal-exergetic behavior of triangular vortex generators through the cylindrical tubes. <i>International Journal of Heat and Mass Transfer</i> , 2020, 151, 119406.	4.8	31
13	Thermal, frictional and exergetic analysis of non-parallel configurations for plate heat exchangers. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 161, 108319.	3.6	30
14	Thermal/frictional performance of spiral pipe with ring-shape depression used as in-pond heat exchanger. <i>Solar Energy</i> , 2021, 224, 742-756.	6.1	30
15	Entropy generation and sensitivity analysis of R134a flow condensation inside a helically coiled tube-in-tube heat exchanger. <i>International Journal of Refrigeration</i> , 2021, 130, 104-116.	3.4	28
16	A critique of effectiveness concept for heat exchangers; theoretical-experimental study. <i>International Journal of Heat and Mass Transfer</i> , 2020, 159, 120160.	4.8	27
17	Design-eligibility study of solar thermal helically coiled heat exchanging system with annular dimples by irreversibility concept. <i>Renewable Energy</i> , 2022, 183, 369-384.	8.9	27
18	Feasibility and optimal operation of micro energy hybrid system (hydro/wind) in the rural valley region. <i>International Journal of Low-Carbon Technologies</i> , 2022, 17, 58-68.	2.6	18

#	ARTICLE	IF	CITATIONS
19	Thermal-hydrodynamic and exergetic study of two-phase flow in helically coiled pipe with helical wire insert. <i>Case Studies in Thermal Engineering</i> , 2022, 30, 101718.	5.7	16
20	Efficient heat extraction from the storage zone of solar pond by structurally improved spiral pipes; numerical simulation/experimental validation. <i>Energy Reports</i> , 2022, 8, 7386-7400.	5.1	11