Adel G Nasser

List of Publications by Year
in descending order

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26	507	687363	677142
papers	citations	13	22
		h-index	g-index

27	27	27	378
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of various multiple strip inserts and nanofluids on the thermalâ€“hydraulic performances of parabolic trough collectors. Applied Thermal Engineering, 2022, 201, 117798.	6.0	18
2	Study of failure symptoms of a single-tube MR damper using an FEA-CFD approach. Journal of Intelligent Material Systems and Structures, 2021, 32, 1391-1419.	2.5	7
3	Thermal-Hydraulic Analysis of Parabolic Trough Collectors Using Straight Conical Strip Inserts with Nanofluids. Nanomaterials, 2021, 11, 853.	4.1	26
4	A Computational Approach to Solve a System of Transcendental Equations with Multi-Functions and Multi-Variables. Mathematics, 2021, 9, 920.	2.2	7
5	Cooling of high-performance electronic equipment using graphite foam heat sinks. Applied Thermal Engineering, 2021, 191, 116844.	6.0	10
6	Engineering risk assessment of photovoltaic-thermal-fuel cell system using classical failure modes, effects and criticality analyses. Cleaner Environmental Systems, 2021, 2, 100021.	4.2	11
7	Unitized regenerative proton exchange membrane fuel cell system for renewable power and hydrogen generation: Modelling, simulation, and a case study. Cleaner Engineering and Technology, 2021, 4, 100241.	4.0	7
8	Dissipating the heat generated in high-performance electronics using graphitic foam heat-sinks cooled with a dielectric liquid. International Communications in Heat and Mass Transfer, 2021, 127, 105478.	5.6	13
9	Prospects of Integrated Photovoltaic-Fuel Cell Systems in a Hydrogen Economy: A Comprehensive Review. Energies, 2021, 14, 6827.	3.1	10
10	A one-way coupled numerical magnetic field and CFD simulation of viscoplastic compressible fluids in MR dampers. International Journal of Mechanical Sciences, 2020, 167, 105265.	6.7	39
11	Effect of rotation on forced convection in wavy wall channels. International Journal of Heat and Mass Transfer, 2020, 149, 119177.	4.8	13
12	Evaluation of nonlinear dynamic phenomena in the hysteretic behaviour of magnetorheological dampers. Applications in Engineering Science, 2020, 3, 100019.	0.8	5
13	Thermal performance evaluation of various nanofluids with non-uniform heating for parabolic trough collectors. Case Studies in Thermal Engineering, 2020, 22, 100769.	5.7	39
14	Radiation-Thermodynamic Modelling and Simulating the Core of a Thermophotovoltaic System. Energies, 2020, 13, 6157.	3.1	5
15	Assessment and Evaluation of the Thermal Performance of Various Working Fluids in Parabolic Trough Collectors of Solar Thermal Power Plants under Non-Uniform Heat Flux Distribution Conditions. Energies, 2020, 13, 3776.	3.1	21
16	Magnetic Circuit Analysis and Fluid Flow Modeling of an MR Damper With Enhanced Magnetic Characteristics. IEEE Transactions on Magnetics, 2020, 56, 1-20.	2.1	14
17	A review on multi-physics numerical modelling in different applications of magnetorheological fluids. Journal of Intelligent Material Systems and Structures, 2020, 31, 1855-1897.	2.5	29
18	Impact of using a PCM-metal foam composite on charging/discharging process of bundled-tube LHTES units. International Journal of Heat and Mass Transfer, 2020, 150, 119320.	4.8	81

#	Article	IF	Citations
19	A numerical study of anti-vortex film-cooling holes designs in a 1-1/2 turbine stage using LES. Propulsion and Power Research, 2019, 8, 275-299.	4.3	10
20	LES of rotating film-cooling performance in a 1-1/2 turbine stage. Propulsion and Power Research, 2019, 8, 85-107.	4.3	7
21	Rotating metal foam structures for performance enhancement of double-pipe heat exchangers. International Journal of Heat and Mass Transfer, 2017, 105, 124-139.	4.8	35
22	The physical modelling and aerodynamics of turbulent flows around horizontal axis wind turbines. Energy, 2017, 119, 767-799.	8.8	30
23	Numerical Investigation of Rotation Effects on Anti-vortex Film-Cooling Holes. Flow, Turbulence and Combustion, 2016, 96, 133-162.	2.6	10
24	Hydrodynamically and thermally developing flow in a rectangular channel filled with a high porosity fiber and rotating about a parallel axis. International Communications in Heat and Mass Transfer, 2015, 67, 114-123.	5.6	13
25	Developing convective flow in a square channel partially filled with a high porosity metal foam and rotating in a parallel-mode. International Journal of Heat and Mass Transfer, 2015, 90, 578-590.	4.8	26
26	Energy piles: current state of knowledge and design challenges. Environmental Geotechnics, 2015, 2, 195-210.	2.3	20