Samira Payan

List of Publications by Year
in descending order

12 papers	206 citations	1478505 6 h-index	1474206 9 g-index
12 all docs	12 docs citations	12 times ranked	204 citing authors

#	Article	IF	Citations
1	Simultaneous optimization of inclination angle and fin characteristics on heat transfer in a rectangular enclosure. Journal of Engineering Research, 2021, 9, .	0.7	0
2	Comparison of the effect of laminar and turbulent flow regimes on thermal stresses and strains in an annular fin. Journal of Mechanical Science and Technology, 2020, 34, 413-424.	1.5	1
3	Enhancement of energy storage capability in RT82 phase change material using strips fins and metal-oxide based nanoparticles. Journal of Energy Storage, 2020, 32, 102009.	8.1	25
4	Simultaneous reconstruction of nonlinear temperature-dependent properties in a 1D radiation-conduction medium. International Communications in Heat and Mass Transfer, 2020, 119, 104983.	5.6	5
5	Numerical investigation of an innovative discontinuous distribution of fins for solidification rate enhancement in PCM with and without nanoparticles. Applied Thermal Engineering, 2020, 176, 115017.	6.0	61
6	Numerical analysis of thermal stresses and strains of annular finned tube bundle in turbulent flow regime. Mechanics and Industry, 2020, 21, 601.	1.3	0
7	Synthesis and characterization of titanate nanotube/single-walled carbon nanotube (TNT/SWCNT) porous nanocomposite and its photocatalytic activity on 4-chlorophenol degradation under UV and solar irradiation. Applied Surface Science, 2018, 434, 336-350.	6.1	51
8	Optimization of characteristics of an array of thin fins using PSO algorithm in confined cavities heated from a side with free convection. Applied Thermal Engineering, 2017, 110, 1371-1388.	6.0	20
9	Enhancement of heat transfer of confined enclosures with free convection using blocks with PSO algorithm. Applied Thermal Engineering, 2016, 101, 79-91.	6.0	18
10	Inverse Boundary Design Problem of Turbulent Forced Convection Between Parallel Plates With Surface Radiation Exchange. Heat Transfer Engineering, 2015, 36, 488-497.	1.9	8
11	Inverse boundary design radiation problem with radiative equilibrium in combustion enclosures with PSO algorithm. International Communications in Heat and Mass Transfer, 2015, 68, 150-157.	5.6	14
12	INVERSE BOUNDARY DESIGN OF A SQUARE ENCLOSURE WITH FREE CONVECTION AND RADIATION. , 2010, , .		3