

Kamal Abdel Radi Ismail

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

652
citations

516710

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h-index

580821

25
g-index

28
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docs citations

28
times ranked

437
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Investigation of Simultaneous Effects of Nanofluid Flow and Porous Baffle on Thermal Energy Transfer and Flow Features in a Circular Channel. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	2.3	1
2	Melting of hybrid nano-enhanced phase change material in an inclined finned rectangular cavity for cold energy storage. <i>Journal of Energy Storage</i> , 2022, 50, 104185.	8.1	33
3	New potential applications of phase change materials: A review. <i>Journal of Energy Storage</i> , 2022, 53, 105202.	8.1	31
4	Comprehensive investigation of water film thickness effects on the heat and mass transfer of an inclined solar still. <i>Desalination</i> , 2021, 500, 114895.	8.2	16
5	Concept and simulation of an unmanned agricultural spraying aircraft. <i>Revista Agrogeoambiental</i> , 2021, 12, .	0.0	0
6	Effect of Magnetic Field and Nanoparticle Concentration on Melting of Cu-Ice in a Rectangular Cavity under Fluctuating Temperatures. <i>Journal of Energy Storage</i> , 2021, 36, 102421.	8.1	23
7	Comparative analysis of eccentric evacuated tube solar collector with circular and rectangular absorber working with nanofluid. <i>Cleaner Engineering and Technology</i> , 2021, 3, 100105.	4.0	11
8	Crushed Rubber from Used Tires for Thermal Insulation of Walls and Flat Roofs: Modeling, Validation and Comparison with Conventional Technology. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 12355.	3.0	0
9	Performance enhancement of latent heat storage systems by using extended surfaces and porous materials: A state-of-the-art review. <i>Journal of Energy Storage</i> , 2021, 44, 103340.	8.1	37
10	Solidification around axial finned tube submersed in PCM: Modeling and experiments. <i>Journal of Energy Storage</i> , 2020, 29, 101438.	8.1	37
11	Parametric investigation of the enhancing effects of finned tubes on the solidification of PCM. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119485.	4.8	23
12	A new version of a low concentration evacuated tube solar collector: Optical and thermal investigation. <i>Solar Energy</i> , 2019, 180, 324-339.	6.1	51
13	Ventilated double glass window with reflective film: Modeling and assessment of performance. <i>Solar Energy</i> , 2019, 185, 72-88.	6.1	18
14	Correlations for predicting the performance of axial finned tubes submersed in PCM. <i>Journal of Energy Storage</i> , 2019, 26, 100973.	8.1	8
15	Enhancement of ice formation around vertical finned tubes for cold storage applications. <i>International Journal of Refrigeration</i> , 2019, 99, 251-263.	3.4	16
16	Parametric analysis of Joukowski airfoil for 10-kW horizontal axis windmill. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	5
17	Contribution of Recycling of Municipal Solid Waste to the Social Inclusion in Brazil. <i>Journal of Waste Management</i> , 2013, 2013, 1-4.	0.5	9
18	Solidification of PCM around a curved tube. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1823-1835.	4.8	18

#	ARTICLE	IF	CITATIONS
19	A comparative study of naturally ventilated and gas filled windows for hot climates. Energy Conversion and Management, 2009, 50, 1691-1703.	9.2	36
20	Comparison between PCM filled glass windows and absorbing gas filled windows. Energy and Buildings, 2008, 40, 710-719.	6.7	127
21	Non-gray radiative convective conductive modeling of a double glass window with a cavity filled with a mixture of absorbing gases. International Journal of Heat and Mass Transfer, 2006, 49, 2972-2983.	4.8	23
22	Gray radiative conductive 2D modeling using discrete ordinates method with multidimensional spatial scheme and non-uniform grid. International Journal of Thermal Sciences, 2006, 45, 706-715.	4.9	16
23	Application of multidimensional scheme and the discrete ordinate method to radiative heat transfer in a two-dimensional enclosure with diffusely emitting and reflecting boundary walls. Journal of Quantitative Spectroscopy and Radiative Transfer, 2004, 88, 407-422.	2.3	31
24	Modeling of ice crystal growth in laminar falling films for the production of pumpable ice slurries. Energy Conversion and Management, 2003, 44, 65-84.	9.2	11
25	Numerical solution of the phase change problem around a horizontal cylinder in the presence of natural convection in the melt region. International Journal of Heat and Mass Transfer, 2003, 46, 1791-1799.	4.8	26
26	Parametric study of solidification of PCM around a cylinder for ice-bank applications. International Journal of Refrigeration, 2001, 24, 809-822.	3.4	33
27	A study on transient ice formation of laminar flow inside externally supercooled rectangular duct. Applied Thermal Engineering, 2000, 20, 1709-1730.	6.0	2
28	Effect of axial conduction on the ice crystal growth in laminar falling films. International Journal of Refrigeration, 1999, 22, 389-401.	3.4	10