

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

16
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

437
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison between PCM filled glass windows and absorbing gas filled windows. Energy and Buildings, 2008, 40, 710-719.	6.7	127
2	A new version of a low concentration evacuated tube solar collector: Optical and thermal investigation. Solar Energy, 2019, 180, 324-339.	6.1	51
3	Solidification around axial finned tube submersed in PCM: Modeling and experiments. Journal of Energy Storage, 2020, 29, 101438.	8.1	37
4	Performance enhancement of latent heat storage systems by using extended surfaces and porous materials: A state-of-the-art review. Journal of Energy Storage, 2021, 44, 103340.	8.1	37
5	A comparative study of naturally ventilated and gas filled windows for hot climates. Energy Conversion and Management, 2009, 50, 1691-1703.	9.2	36
6	Parametric study of solidification of PCM around a cylinder for ice-bank applications. International Journal of Refrigeration, 2001, 24, 809-822.	3.4	33
7	Melting of hybrid nano-enhanced phase change material in an inclined finned rectangular cavity for cold energy storage. Journal of Energy Storage, 2022, 50, 104185.	8.1	33
8	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
9	New potential applications of phase change materials: A review. Journal of Energy Storage, 2022, 53, 105202.	8.1	31
10	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
11	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
12	Parametric investigation of the enhancing effects of finned tubes on the solidification of PCM. International Journal of Heat and Mass Transfer, 2020, 152, 119485.	4.8	23
13	Effect of Magnetic Field and Nanoparticle Concentration on Melting of Cu-Ice in a Rectangular Cavity under Fluctuating Temperatures. Journal of Energy Storage, 2021, 36, 102421.	8.1	23
14	Solidification of PCM around a curved tube. International Journal of Heat and Mass Transfer, 2012, 55, 1823-1835.	4.8	18
15	Ventilated double glass window with reflective film: Modeling and assessment of performance. Solar Energy, 2019, 185, 72-88.	6.1	18
16	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
17	Enhancement of ice formation around vertical finned tubes for cold storage applications. International Journal of Refrigeration, 2019, 99, 251-263.	3.4	16
18	Comprehensive investigation of water film thickness effects on the heat and mass transfer of an inclined solar still. Desalination, 2021, 500, 114895.	8.2	16

#	ARTICLE	IF	CITATIONS
19	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
20	Comparative analysis of eccentric evacuated tube solar collector with circular and rectangular absorber working with nanofluid. Cleaner Engineering and Technology, 2021, 3, 100105.	4.0	11
21	Effect of axial conduction on the ice crystal growth in laminar falling films. International Journal of Refrigeration, 1999, 22, 389-401.	3.4	10
22	Contribution of Recycling of Municipal Solid Waste to the Social Inclusion in Brazil. Journal of Waste Management, 2013, 2013, 1-4.	0.5	9
23	Correlations for predicting the performance of axial finned tubes submersed in PCM. Journal of Energy Storage, 2019, 26, 100973.	8.1	8
24	Parametric analysis of Joukowski airfoil for 10-kW horizontal axis windmill. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	5
25	A study on transient ice formation of laminar flow inside externally supercooled rectangular duct. Applied Thermal Engineering, 2000, 20, 1709-1730.	6.0	2
26	Numerical Investigation of Simultaneous Effects of Nanofluid Flow and Porous Baffle on Thermal Energy Transfer and Flow Features in a Circular Channel. Journal of Energy Resources Technology, Transactions of the ASME, 2022, 144, .	2.3	1
27	Concept and simulation of an unmanned agricultural spraying aircraft. Revista Agrogeoambiental, 2021, 12, .	0.0	0
28	Crushed Rubber from Used Tires for Thermal Insulation of Walls and Flat Roofs: Modeling, Validation and Comparison with Conventional Technology. Arabian Journal for Science and Engineering, 2021, 46, 12355.	3.0	0