

Ilker Tari

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

723
citations

687363

13
h-index

642732

23
g-index

29
all docs

29
docs citations

29
times ranked

615
citing authors

#	ARTICLE	IF	CITATIONS
1	Shell side CFD analysis of a small shell-and-tube heat exchanger. <i>Energy Conversion and Management</i> , 2010, 51, 1004-1014.	9.2	198
2	Natural convection heat transfer from inclined plate-fin heat sinks. <i>International Journal of Heat and Mass Transfer</i> , 2013, 56, 574-593.	4.8	109
3	Natural convection heat transfer from horizontal and slightly inclined plate-fin heat sinks. <i>Applied Thermal Engineering</i> , 2013, 61, 728-736.	6.0	68
4	Energy exergy and economic analyses of a hybrid solar hydrogen renewable energy system in Ankara, Turkey. <i>Applied Thermal Engineering</i> , 2016, 99, 169-178.	6.0	59
5	Proton exchange membrane fuel cell degradation: A parametric analysis using Computational Fluid Dynamics. <i>Journal of Power Sources</i> , 2016, 304, 64-73.	7.8	41
6	A correlation for natural convection heat transfer from inclined plate-finned heat sinks. <i>Applied Thermal Engineering</i> , 2013, 51, 1067-1075.	6.0	37
7	Forced Air Cooling of CPUs With Heat Sinks: A Numerical Study. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2008, 31, 650-660.	1.3	24
8	CFD Analyses of a Notebook Computer Thermal Management System and a Proposed Passive Cooling Alternative. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2010, 33, 443-452.	1.3	23
9	PEM fuel cell degradation effects on the performance of a stand-alone solar energy system. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 13217-13225.	7.1	23
10	Impacts of inhomogeneous clamping force on local performance and liquid water formation in polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 19227-19245.	7.1	21
11	A Monte Carlo method to solve for radiative effective thermal conductivity for particle beds of various solid fractions and emissivities. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 250, 107014.	2.3	21
12	Radiative heat transfer in the discrete element method using distance based approximations. <i>Powder Technology</i> , 2021, 380, 164-182.	4.2	21
13	CFD Modeling of Forced Cooling of Computer Chassis. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2007, 1, 304-313.	3.1	15
14	Numerical Analysis of Phase Change Material Characteristics Used in a Thermal Energy Storage Device. <i>Heat Transfer Engineering</i> , 2018, 39, 268-276.	1.9	14
15	Passive cooling assembly for flat panel displays with integrated high power components. <i>IEEE Transactions on Consumer Electronics</i> , 2009, 55, 1707-1713.	3.6	10
16	Natural convection simulations and numerical determination of critical tilt angles for a parallel plate channel. <i>Energy Conversion and Management</i> , 2010, 51, 685-695.	9.2	7
17	Development of view factor correlations for modeling thermal radiation in solid particle solar receivers using CFD-DEM. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	7
18	Numerical modeling of visco-elasto-plastic hygro-thermal stresses and the effects of operating conditions on the mechanical degradation of PEFC membranes. <i>Journal of Power Sources</i> , 2018, 396, 164-174.	7.8	6

#	ARTICLE	IF	CITATIONS
19	Proposal of a novel gravity-fed, particle-filled solar receiver. AIP Conference Proceedings, 2017, , .	0.4	5
20	Modeling heat exchangers with an open source DEM-based code for granular flows. Solar Energy, 2021, 228, 374-386.	6.1	4
21	NUMERICAL INVESTIGATION OF BUBBLING FLUIDIZED BED TO BE USED AS THERMAL ENERGY STORAGE INTEGRATED TO HIGH-TEMPERATURE CONCENTRATED SOLAR POWER. Multiphase Science and Technology, 2018, 30, 99-120.	0.5	3
22	A Pseudospectral Analysis of Laminar Natural Convection Flow and Heat Transfer Between Two Inclined Parallel Plates. , 2006, , 423.		2
23	Numerical Investigation on Cooling of Small form Factor Computer Cases. Engineering Applications of Computational Fluid Mechanics, 2008, 2, 427-435.	3.1	2
24	A Combined Experimental and Numerical Thermo-Hydrodynamic Investigation of High-Temperature Fluidized-Bed Thermal Energy Storage. Processes, 2022, 10, 1097.	2.8	2
25	Numerical and experimental investigation of the thermal behavior of a newly developed attitude Determination Control Unit in a Vacuum environment. , 2011, , .		1
26	A passive cooling system proposal for multifunction and high-power displays. , 2013, , .		0
27	Numerical Investigation of Various Approaches to Avoid Natural Convection Instabilities Inside the Channels of Horizontal Plate Fin Heat Sinks. , 2016, , .		0
28	Parametric Sensitivity Analysis and Performance Evaluation of High-Temperature Macro-Encapsulated Packed-Bed Latent Heat Storage System Operating with Transient Inlet Boundary Conditions. Processes, 2022, 10, 1382.	2.8	0