Ilker Tari

List of Publications by Year
in descending order

28	723	687363	642732
papers	citations	13	23
		h-index	g-index

29	29	29	615
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Combined Experimental and Numerical Thermo-Hydrodynamic Investigation of High-Temperature Fluidized-Bed Thermal Energy Storage. Processes, 2022, 10, 1097.	2.8	2
2	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
3	Radiative heat transfer in the discrete element method using distance based approximations. Powder Technology, 2021, 380, 164-182.	4.2	21
4	Modeling heat exchangers with an open source DEM-based code for granular flows. Solar Energy, 2021, 228, 374-386.	6.1	4
5	A Monte Carlo method to solve for radiative effective thermal conductivity for particle beds of various solid fractions and emissivities. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 250, 107014.	2.3	21
6	Development of view factor correlations for modeling thermal radiation in solid particle solar receivers using CFD-DEM. AIP Conference Proceedings, 2019, , .	0.4	7
7	Numerical Analysis of Phase Change Material Characteristics Used in a Thermal Energy Storage Device. Heat Transfer Engineering, 2018, 39, 268-276.	1.9	14
8	Numerical modeling of visco-elasto-plastic hygro-thermal stresses and the effects of operating conditions on the mechanical degradation of PEFC membranes. Journal of Power Sources, 2018, 396, 164-174.	7.8	6
9	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
10	PEM fuel cell degradation effects on the performance of a stand-alone solar energy system. International Journal of Hydrogen Energy, 2017, 42, 13217-13225.	7.1	23
11	Proposal of a novel gravity-fed, particle-filled solar receiver. AIP Conference Proceedings, 2017, , .	0.4	5
12	Impacts of inhomogeneous clamping force on local performance and liquid water formation in polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2017, 42, 19227-19245.	7.1	21
13	Numerical Investigation of Various Approaches to Avoid Natural Convection Instabilities Inside the Channels of Horizontal Plate Fin Heat Sinks. , 2016, , .		0
14	Energy–exergy and economic analyses of a hybrid solar–hydrogen renewable energy system in Ankara, Turkey. Applied Thermal Engineering, 2016, 99, 169-178.	6.0	59
15	Proton exchange membrane fuel cell degradation: A parametric analysis using Computational Fluid Dynamics. Journal of Power Sources, 2016, 304, 64-73.	7.8	41
16	A correlation for natural convection heat transfer from inclined plate-finned heat sinks. Applied Thermal Engineering, 2013, 51, 1067-1075.	6.0	37
17	Natural convection heat transfer from inclined plate-fin heat sinks. International Journal of Heat and Mass Transfer, 2013, 56, 574-593.	4.8	109
18	Natural convection heat transfer from horizontal and slightly inclined plate-fin heat sinks. Applied Thermal Engineering, 2013, 61, 728-736.	6.0	68

#	Article	IF	Citations
19	A passive cooling system proposal for multifunction and high-power displays. , 2013, , .		0
20	Numerical and experimental investigation of the thermal behavior of a newly developed attitude Determination Control Unit in a Vacuum environment. , 2011, , .		1
21	CFD Analyses of a Notebook Computer Thermal Management System and a Proposed Passive Cooling Alternative. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 443-452.	1.3	23
22	Natural convection simulations and numerical determination of critical tilt angles for a parallel plate channel. Energy Conversion and Management, 2010, 51, 685-695.	9.2	7
23	Shell side CFD analysis of a small shell-and-tube heat exchanger. Energy Conversion and Management, 2010, 51, 1004-1014.	9.2	198
24	Passive cooling assembly for flat panel displays with integrated high power components. IEEE Transactions on Consumer Electronics, 2009, 55, 1707-1713.	3.6	10
25	Forced Air Cooling of CPUs With Heat Sinks: A Numerical Study. IEEE Transactions on Components and Packaging Technologies, 2008, 31, 650-660.	1.3	24
26	Numerical Investigation on Cooling of Small form Factor Computer Cases. Engineering Applications of Computational Fluid Mechanics, 2008, 2, 427-435.	3.1	2
27	CFD Modeling of Forced Cooling of Computer Chassis. Engineering Applications of Computational Fluid Mechanics, 2007, 1, 304-313.	3.1	15
28	A Pseudospectral Analysis of Laminar Natural Convection Flow and Heat Transfer Between Two Inclined Parallel Plates. , 2006, , 423.		2