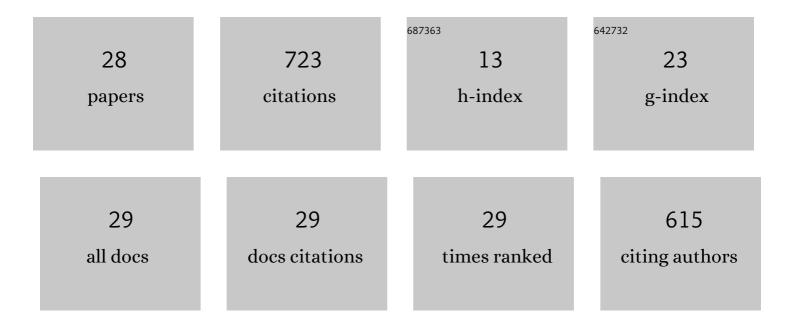
Ilker Tari

List of Publications by Year in descending order

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Ιινές Τλοι

#	Article	IF	CITATIONS
1	Shell side CFD analysis of a small shell-and-tube heat exchanger. Energy Conversion and Management, 2010, 51, 1004-1014.	9.2	198
2	Natural convection heat transfer from inclined plate-fin heat sinks. International Journal of Heat and Mass Transfer, 2013, 56, 574-593.	4.8	109
3	Natural convection heat transfer from horizontal and slightly inclined plate-fin heat sinks. Applied Thermal Engineering, 2013, 61, 728-736.	6.0	68
4	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
5	Proton exchange membrane fuel cell degradation: A parametric analysis using Computational Fluid Dynamics. Journal of Power Sources, 2016, 304, 64-73.	7.8	41
6	A correlation for natural convection heat transfer from inclined plate-finned heat sinks. Applied Thermal Engineering, 2013, 51, 1067-1075.	6.0	37
7	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
8	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
9	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
10	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
11	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
12	Radiative heat transfer in the discrete element method using distance based approximations. Powder Technology, 2021, 380, 164-182.	4.2	21
13	CFD Modeling of Forced Cooling of Computer Chassis. Engineering Applications of Computational Fluid Mechanics, 2007, 1, 304-313.	3.1	15
14	Numerical Analysis of Phase Change Material Characteristics Used in a Thermal Energy Storage Device. Heat Transfer Engineering, 2018, 39, 268-276.	1.9	14
15	Passive cooling assembly for flat panel displays with integrated high power components. IEEE Transactions on Consumer Electronics, 2009, 55, 1707-1713.	3.6	10
16	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
17	Development of view factor correlations for modeling thermal radiation in solid particle solar receivers using CFD-DEM. AIP Conference Proceedings, 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. Journal of Power Sources, 2018, 396, 164-174.	7.8	6

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#	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