

MONICA SIROUX

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

845
citations

471509

17
h-index

501196

28
g-index

41
all docs

41
docs citations

41
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of flash evaporation of a water film. International Journal of Heat and Mass Transfer, 2002, 45, 3447-3457.	4.8	93
2	Measurements of brake disc surface temperature and emissivity by two-color pyrometry. Applied Thermal Engineering, 2010, 30, 753-759.	6.0	83
3	Thermal levels and subsurface damage induced by the occurrence of hot spots during high-energy braking. Wear, 2011, 270, 355-364.	3.1	82
4	Flash evaporation from a water pool: Influence of the liquid height and of the depressurization rate. International Journal of Thermal Sciences, 2005, 44, 953-965.	4.9	81
5	Influence of coating soil types on the energy of earth-air heat exchanger. Energy and Buildings, 2018, 158, 1000-1012.	6.7	49
6	Potential analysis of a new removable insulation system. Energy and Buildings, 2017, 154, 391-403.	6.7	37
7	Experimental disc heat flux identification on a reduced scale braking system using the inverse heat conduction method. Applied Thermal Engineering, 2012, 48, 202-210.	6.0	32
8	Modeling of facade elements with switchable U-value. Energy and Buildings, 2018, 164, 1-13.	6.7	32
9	Energetic and exergetic analysis of a triple-effect distiller driven by solar energy. Desalination, 2005, 174, 277-286.	8.2	31
10	Numerical analysis of a reciprocating active magnetic regenerator. Applied Thermal Engineering, 2015, 75, 871-879.	6.0	30
11	Hybrid renewable energy systems based on micro-cogeneration. Energy Reports, 2022, 8, 762-769.	5.1	29
12	An emissivity-corrected method for the accurate radiometric measurement of transient surface temperatures during braking. Tribology International, 2010, 43, 1823-1830.	5.9	28
13	Analysis of a Residential Photovoltaic-Thermal (PVT) System in Two Similar Climate Conditions. Energies, 2019, 12, 3595.	3.1	27
14	Dynamic model based on experimental investigations of a wood pellet steam engine micro CHP for building energy simulation. Applied Thermal Engineering, 2014, 73, 1041-1054.	6.0	22
15	Influence of rainfall events on the energy performance of an earth-air heat exchanger embedded in a multilayered soil. Renewable Energy, 2020, 147, 2664-2675.	8.9	21
16	Numerical model and parametric analysis of a liquid based hybrid photovoltaic thermal (PVT) collector. Energy Reports, 2021, 7, 7977-7988.	5.1	21
17	Energy Analysis and Exergy Optimization of Photovoltaic-Thermal Collector. Energies, 2020, 13, 5106.	3.1	20
18	Influence of an improved surrounding soil on the energy performance and the design length of earth-air heat exchanger. Applied Thermal Engineering, 2019, 162, 114320.	6.0	19

#	ARTICLE	IF	CITATIONS
19	Gas Stirling engine $\frac{1}{4}$ CHP boiler experimental data driven model for building energy simulation. Energy and Buildings, 2014, 84, 117-131.	6.7	17
20	Thermal analysis of periodic sliding contact on a braking tribometer. Applied Thermal Engineering, 2008, 28, 2194-2202.	6.0	15
21	Experimental study using infrared thermography on the convective heat transfer of a TGV brake disk in the actual environment. Optical Engineering, 2002, 41, 1558.	1.0	10
22	Title is missing!. Measurement Science and Technology, 1998, 9, 1956-1962.	2.6	9
23	A Parametric Study of a Hybrid Photovoltaic Thermal (PVT) System Coupled with a Domestic Hot Water (DHW) Storage Tank. Energies, 2020, 13, 6481.	3.1	9
24	Local temperatures evaluation on the pin-disc interface using infrared metrology. International Journal of Thermal Sciences, 2011, 50, 486-492.	4.9	7
25	COMBINATION OF THERMAL AND GEOMETRIC INFORMATION FOR BIM ENRICHMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W15, 719-725.	0.2	6
26	Hot Box Investigations of a Ventilated Bioclimatic Wall for NZEB Building Façade. Energies, 2021, 14, 1327.	3.1	5
27	Friction and wear mechanisms study on a newly developed High Speed Tribometer. , 2011, , .		4
28	On the Use of Calcium Fluoride as an Infrared-Transparent First Body for In Situ Temperature Measurements in Sliding Contact. Tribology Letters, 2011, 42, 27-36.	2.6	3
29	Friction and Wear Mechanisms of Phenolic-Based Materials on High Speed Tribometer. Journal of Tribology, 2013, 135, .	1.9	3
30	Multi-Objective Optimization of Hybrid PVT Solar Panels. , 2018, , .		3
31	Dwellings Electrical and DHW Load Profiles Generators Development for $\frac{1}{4}$ CHP Systems using RES Coupled to Buildings Applications. Energy Procedia, 2015, 78, 1919-1924.	1.8	2
32	Emissivity measurements by sine wave thermal modulation: radiometric and calorimetric approaches. High Temperatures - High Pressures, 1998, 30, 217-222.	0.3	2
33	Estimation of three-dimensional distribution of heat flux on the pin frictional surface during a pin on disc test. , 2011, , .		1
34	Improved value of temperature different on climatic chamber climatic chamber for thermal conditions. IOP Conference Series: Materials Science and Engineering, 2019, 673, 012116.	0.6	1
35	Analysis of Wooden Biomass Use as Renewable Source of Energy in Romania. , 2019, , .		1
36	Exergy optimization of a multi-stage solar micro-cogeneration system. IET Renewable Power Generation, 0, , .	3.1	1

#	ARTICLE	IF	CITATIONS
37	<title>Experimental study using infrared thermography on the convective heat transfer of a TCV brake disc in the actual environment</title>. , 2001, 4360, 712.		0
38	Thermal and tribological study of a periodic contact under braking conditions. International Journal of Surface Science and Engineering, 2010, 4, 93.	0.4	0