

Gilles Fraisse

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

761
citations

759233

12
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

760
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and applications of solar-based thermoelectric technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 923-936.	16.4	243
2	Development of a simplified and accurate building model based on electrical analogy. <i>Energy and Buildings</i> , 2002, 34, 1017-1031.	6.7	206
3	An experimental and numerical study of a thermoelectric air-cooling and air-heating system. <i>International Journal of Refrigeration</i> , 2008, 31, 1051-1062.	3.4	89
4	Coupling of thermoelectric modules with a photovoltaic panel for air pre-heating and pre-cooling application; an annual simulation. <i>International Journal of Energy Research</i> , 2008, 32, 1316-1328.	4.5	37
5	Analytical modelling of PCM supercooling including recalescence for complete and partial heating/cooling cycles. <i>Applied Thermal Engineering</i> , 2021, 190, 116751.	6.0	36
6	Modelling and performance analysis of a new concept of integral collector storage (ICS) with phase change material. <i>Solar Energy</i> , 2019, 183, 425-440.	6.1	25
7	Analytical optimal design of thermoelectric heat pumps. <i>Applied Thermal Engineering</i> , 2015, 82, 48-56.	6.0	24
8	Experimental study of a partially heated cavity of an integrated collector storage solar water heater (ICSSWH). <i>Solar Energy</i> , 2014, 101, 53-62.	6.1	20
9	A numerical comparison of different methods for optimizing heating-restart time in intermittently occupied buildings. <i>Applied Energy</i> , 1999, 62, 125-140.	10.1	17
10	An Analysis of the Performance of Different Intermittent Heating Controllers and an Evaluation of Comfort and Energy Consumption. <i>HVAC and R Research</i> , 1997, 3, 369-386.	0.6	16
11	Towards a better analytical modelling of the thermodynamic behaviour of phase change materials. <i>Journal of Energy Storage</i> , 2020, 32, 101826.	8.1	14
12	Design and experimental analysis of an Integral Collector Storage (ICS) prototype for DHW production. <i>Applied Energy</i> , 2020, 259, 114104.	10.1	13
13	Stratification enhancement for an integrated collector storage solar water heater (ICSSWH). <i>Energy and Buildings</i> , 2015, 106, 35-43.	6.7	12
14	Influence of natural weather variability on the thermal characterisation of a building envelope. <i>Applied Energy</i> , 2021, 288, 116582.	10.1	5
15	Experimental Comparison of Three Characterization Methods for Two Phase Change Materials Suitable for Domestic Hot Water Storage. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10229.	2.5	4