

# 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

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15  
all docs

15  
docs citations

15  
times ranked

760  
citing authors

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