

# Yves Jannot

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5439550/publications.pdf>

Version: 2024-02-01

28  
papers

701  
citations

687363

13  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental thermal properties characterization of insulating cork-gypsum composite. Construction and Building Materials, 2014, 54, 202-209.	7.2	94
2	Shrinkage and density evolution during drying of tropical fruits: application to banana. Journal of Food Engineering, 2004, 64, 103-109.	5.2	77
3	Water content dependence of the porosity, density and thermal capacity of laterite based bricks with millet waste additive. Construction and Building Materials, 2012, 31, 144-150.	7.2	66
4	Measurement and modelisation of the thermal conductivity of a wet composite porous medium: Laterite based bricks with millet waste additive. Construction and Building Materials, 2013, 41, 586-593.	7.2	59
5	Simplified estimation method for the determination of the thermal effusivity and thermal conductivity using a low cost hot strip. Measurement Science and Technology, 2004, 15, 1932-1938.	2.6	49
6	Experimental Determination and Modeling of Sorption Isotherms of Tropical Fruits: Banana, Mango, and Pineapple. Drying Technology, 2005, 23, 1477-1498.	3.1	44
7	THE "EVAPORATIVE CAPACITY" AS A PERFORMANCE INDEX FOR A SOLAR-DRIER AIR-HEATER. Solar Energy, 1998, 63, 387-391.	6.1	33
8	Modeling of Banana Convective Drying by the Drying Characteristic Curve (DCC) Method. Drying Technology, 2004, 22, 1949-1968.	3.1	32
9	A quadrupolar complete model of the hot disc. Measurement Science and Technology, 2007, 18, 1229-1234.	2.6	30
10	A new quasi-steady method to measure gas permeability of weakly permeable porous media. Review of Scientific Instruments, 2012, 83, 015113.	1.3	29
11	An improved model for the parallel hot wire: Application to thermal conductivity measurement of low density insulating materials at high temperature. International Journal of Thermal Sciences, 2019, 142, 379-391.	4.9	21
12	A passive guard for low thermal conductivity measurement of small samples by the hot plate method. Measurement Science and Technology, 2017, 28, 015008.	2.6	19
13	Experimental transfer functions identification: Thermal impedance and transmittance in a channel heated by an upstream unsteady volumetric heat source. International Journal of Heat and Mass Transfer, 2018, 116, 931-939.	4.8	14
14	Apparent thermal conductivity measurement of anisotropic insulating materials at high temperature by the parallel hot-wire method. International Journal of Thermal Sciences, 2021, 160, 106672.	4.9	14
15	Modeling unsteady diffusive and advective heat transfer for linear dynamical systems: A transfer function approach. International Journal of Heat and Mass Transfer, 2017, 115, 304-313.	4.8	13
16	Analysis of the estimation error in a parsimonious temperature-temperature characterization technique. International Journal of Heat and Mass Transfer, 2013, 62, 230-241.	4.8	11
17	Extension and optimization of a three-layer method for the estimation of thermal conductivity of super-insulating materials. Journal of Applied Physics, 2014, 116, .	2.5	11
18	Thermal diffusivity measurement of insulating materials at high temperature with a four-layer (4L) method. International Journal of Thermal Sciences, 2020, 150, 106230.	4.9	10

#	ARTICLE	IF	CITATIONS
19	Thermal conductivity measurement of insulating materials up to 1000°C with a needle probe. Review of Scientific Instruments, 2021, 92, 064903.	1.3	7
20	Thermal properties measurement of two tropical wood species as a function of their water content using the parallel hot wire method. Construction and Building Materials, 2022, 320, 125974.	7.2	7
21	Influence of radiation heat transfer on parallel hot-wire thermal conductivity measurements of semi-transparent materials at high temperature. International Journal of Thermal Sciences, 2022, 179, 107690.	4.9	7
22	Hot Plate Method with Two Simultaneous Temperature Measurements for Thermal Characterization of Building Materials. International Journal of Thermophysics, 2017, 38, 1.	2.1	6
23	A new method for measuring the thermal conductivity of small insulating samples. Review of Scientific Instruments, 2019, 90, 054901.	1.3	6
24	Thermo-physical characterization of Hexadecane during the solid/liquid phase change. Thermochimica Acta, 2022, 710, 179180.	2.7	5
25	In-plane thermal diffusivity measurement of thin plates by the transient fin method. Review of Scientific Instruments, 2018, 89, 104905.	1.3	2
26	Thermal conductivity of nonwoven needle-punched geotextiles: effect of stress and moisture. Geosynthetics International, 2021, 28, 186-194.	2.9	2
27	New developments of the Gas Research Institute method for the permeability measurement of porous media. Review of Scientific Instruments, 2021, 92, 065102.	1.3	2
28	Thermophysical characterization of mould materials using parallel hot wire and needle probe methods at high temperatures. International Journal of Thermal Sciences, 2022, 179, 107630.	4.9	1