

Andr Bontemps

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

16 papers	999 citations	10 h-index	16 g-index
16 ext. papers	1,120 ext. citations	4.3 avg, IF	3.93 L-index

#	Paper	IF	Citations
16	Thermal testing and numerical simulation of a prototype cell using light wallboards coupling vacuum isolation panels and phase change material. <i>Energy and Buildings</i> , 2006 , 38, 673-681	7	174
15	Enhancement of Heat Transfer by Ultrasound: Review and Recent Advances. <i>International Journal of Chemical Engineering</i> , 2011 , 2011, 1-17	2.2	171
14	Hydraulic and heat transfer study of SiO ₂ /water nanofluids in horizontal tubes with imposed wall temperature boundary conditions. <i>International Journal of Heat and Fluid Flow</i> , 2011 , 32, 424-439	2.4	124
13	Experimental investigation and computer simulation of thermal behaviour of wallboards containing a phase change material. <i>Energy and Buildings</i> , 2006 , 38, 357-366	7	97
12	Realization, test and modelling of honeycomb wallboards containing a Phase Change Material. <i>Energy and Buildings</i> , 2011 , 43, 232-238	7	87
11	Vertical flow boiling of refrigerant R134a in small channels. <i>International Journal of Heat and Fluid Flow</i> , 2005 , 26, 296-306	2.4	85
10	Influence of nanoparticle shape factor on convective heat transfer and energetic performance of water-based SiO ₂ and ZnO nanofluids. <i>Applied Thermal Engineering</i> , 2013 , 51, 839-851	5.8	80
9	Experimental and modelling study of twin cells with latent heat storage walls. <i>Energy and Buildings</i> , 2011 , 43, 2456-2461	7	70
8	Friction factor and heat transfer coefficient of R134a liquid flow in mini-channels. <i>Applied Thermal Engineering</i> , 2002 , 22, 1821-1834	5.8	51
7	Effects of Geometrical and Thermophysical Parameters on Heat Transfer Measurements in Small-Diameter Channels. <i>Heat Transfer Engineering</i> , 2006 , 27, 14-24	1.7	43
6	Experimental study of convective heat transfer and pressure loss of SiO ₂ /water nanofluids Part 1: Nanofluid characterization - Imposed wall temperature 2008 ,		4
5	How thermally efficient are chaotic advection mixers? An experimental assessment. <i>International Journal of Thermal Sciences</i> , 2019 , 145, 106046	4.1	3
4	Experimental investigation of thermal and flow mixing enhancement induced by Rayleigh-like streaming in a milli-mixer. <i>Thermal Science and Engineering Progress</i> , 2019 , 14, 100434	3.6	3
3	Improvement of Two-Phase Flow Distribution in Compact Heat Exchangers by Using Ultrasound. <i>Applied Mechanics and Materials</i> , 2013 , 392, 521-525	0.3	3
2	EXperimental study of convective heat transfer and pressure loss of SiO ₂ /water nanofluids Part 2: Imposed uniform heat flux - Energetic performance criterion 2008 ,		3
1	Flow Boiling in Minichannels 2005 , 217-230		1