

# Alessandro Quintino

## List of Publications by Year in Descending Order

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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.

46  
papers

487  
citations

13  
h-index

21  
g-index

47  
ext. papers

555  
ext. citations

3.4  
avg, IF

3.95  
L-index

#	Paper	IF	Citations
46	Effective exploitation of a geyser bubble-chamber equipment as a background-free fast neutron detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	
45	New Dimensionless Correlations for the Evaluation of the Thermal Resistances of a District Heating Twin Pipe System. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9685	2.6	
44	Dimensionless Correlations for Natural Convection Heat Transfer from a Pair of Vertical Staggered Plates Suspended in Free Air. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6511	2.6	1
43	A 0.3nV/Hz input-referred-noise analog front-end for radiation-induced thermo-acoustic pulses. <i>The Integration VLSI Journal</i> , <b>2020</b> , 74, 11-18	1.4	2
42	Predicting SARS-CoV-2 Weather-Induced Seasonal Virulence from Atmospheric Air Enthalpy. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	4
41	Buoyancy-induced convection from a pair of heated and cooled horizontal circular cylinders inside an adiabatic tilted cavity filled with alumina/water nanofluids. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 30, 3163-3181	4.5	0
40	On the critical energy required for homogeneous nucleation in bubble chambers employed in dark matter searches. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
39	Numerical determination of temperature distribution in heating network. <i>Energy</i> , <b>2019</b> , 183, 880-891	7.9	5
38	Effects of the thermodynamic conditions on the acoustic signature of bubble nucleation in superheated liquids used in dark matter search experiments. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	5
37	A Demonstrative Study on the Two-phase vs. Single-phase Modeling of Buoyancy-driven Flows of Enclosed Nanofluids. <i>Heat Transfer Engineering</i> , <b>2019</b> , 40, 1-15	1.7	5
36	Heat transfer enhancement in Rayleigh-Bénard convection of liquids using suspended adiabatic honeycombs. <i>International Journal of Thermal Sciences</i> , <b>2018</b> , 127, 351-359	4.1	2
35	Buoyancy-Induced Convection of Alumina-Water Nanofluids in Laterally Heated Vertical Slender Cavities. <i>Heat Transfer Engineering</i> , <b>2018</b> , 39, 1103-1116	1.7	1
34	Buoyancy-induced convection of water-based nanofluids from an enclosed heated cylinder. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2018</b> , 28, 2734-2755	4.5	1
33	Thermophoresis-induced oscillatory natural convection flows of water-based nanofluids in tilted cavities. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2017</b> , 71, 270-289	2.3	5
32	Buoyancy-driven convection of nanofluids in inclined enclosures. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 122, 63-76	5.5	6
31	Heat transfer correlations for natural convection in inclined enclosures filled with water around its density-inversion point. <i>International Journal of Thermal Sciences</i> , <b>2017</b> , 116, 310-319	4.1	3
30	Natural convection from a pair of differentially-heated horizontal cylinders aligned side by side in a nanofluid-filled square enclosure. <i>Energy Procedia</i> , <b>2017</b> , 126, 26-33	2.3	4

29	MOSCAB: a geyser-concept bubble chamber to be used in a dark matter search. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	4
28	Combined Effects of Slip Motion and Boundary Conditions on Enhanced Heat Transfer in Natural Convection Flows of Enclosed Nanofluids. <i>Heat Transfer Engineering</i> , <b>2016</b> , 37, 1062-1074	1.7	2
27	Temperature effects on the enhanced or deteriorated buoyancy-driven heat transfer in differentially heated enclosures filled with nanofluids. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 70, 223-241	2.3	4
26	Correlations for the double-diffusive natural convection in square enclosures induced by opposite temperature and concentration gradients. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 81, 8114-8119	4.9	22
25	Enhanced natural convection heat transfer of nanofluids in enclosures with two adjacent walls heated and the two opposite walls cooled. <i>International Journal of Heat and Mass Transfer</i> , <b>2015</b> , 88, 902-913	4.9	47
24	Natural Convection of Water Near 4°C in a Bottom-cooled Enclosure. <i>Energy Procedia</i> , <b>2015</b> , 82, 322-327	2.3	3
23	CORRELATIONS FOR TRANSIENT THERMAL CONVECTION OF WATER NEAR ITS DENSITY-INVERSION POINT IN A SQUARE ENCLOSURE HEATED FROM BELOW. <i>JP Journal of Heat and Mass Transfer</i> , <b>2015</b> , 12, 65-88	1.9	2
22	Natural convection in square enclosures differentially heated at sides using alumina-water nanofluids with temperature-dependent physical properties. <i>Thermal Science</i> , <b>2015</b> , 19, 591-608	1.2	13
21	Energy performance of air-conditioning systems using an indirect evaporative cooling combined with a cooling/reheating treatment. <i>Energy and Buildings</i> , <b>2014</b> , 69, 490-497	7	24
20	Experimental analysis of the transport of airborne contaminants between adjacent rooms at different pressure due to the door opening. <i>Building and Environment</i> , <b>2014</b> , 81, 81-91	6.5	13
19	Buoyancy-induced convection in . <i>European Journal of Mechanics, B/Fluids</i> , <b>2014</b> , 48, 123-134	2.4	15
18	Experimental study of diffusion coefficients of water through the collagen: apatite porosity in human trabecular bone tissue. <i>BioMed Research International</i> , <b>2014</b> , 2014, 796519	3	10
17	Convective transport in rectangular cavities partially heated at the bottom and cooled at one side. <i>Journal of Thermal Science</i> , <b>2013</b> , 22, 55-63	1.9	14
16	A two-phase numerical study of buoyancy-driven convection of alumina-water nanofluids in differentially-heated horizontal annuli. <i>International Journal of Heat and Mass Transfer</i> , <b>2013</b> , 65, 327-338	4.9	30
15	Two-phase mixture modeling of natural convection of nanofluids with temperature-dependent properties. <i>International Journal of Thermal Sciences</i> , <b>2013</b> , 71, 182-195	4.1	91
14	Optimization of laminar pipe flow using nanoparticle liquid suspensions for cooling applications. <i>Applied Thermal Engineering</i> , <b>2013</b> , 50, 857-867	5.8	12
13	Buoyancy-Induced Convection in a Square Enclosure Discretely Heated at One Side and Cooled either at the Top or at the Bottom Using both Gases and Liquids as Working Fluids. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 423-426, 1741-1750	0.3	
12	Dimensionless Correlating-Equations for Predicting the Optimal Tilting Angle of Water-Filled Square and Shallow Enclosures Differentially Heated at Sides. <i>Applied Mechanics and Materials</i> , <b>2013</b> , 394, 163-172	0.3	

11	Heat transfer of nanofluids in turbulent pipe flow. <i>International Journal of Thermal Sciences</i> , <b>2012</b> , 56, 58-69	4.1	35
10	Energy performance of a lightweight opaque ventilated façade integrated with the HVAC system using saturated exhaust indoor air. <i>Energy and Buildings</i> , <b>2012</b> , 50, 26-34	7	14
9	Experimental analysis of the heat transfer coefficient enhancement for a heated cylinder in cross-flow downstream of a grid flow perturbation. <i>Applied Thermal Engineering</i> , <b>2012</b> , 35, 55-59	5.8	9
8	Optimization of Free Convection Heat Transfer From Vertical Plates Using Nanofluids. <i>Journal of Heat Transfer</i> , <b>2012</b> , 134,	1.8	9
7	Pumping Energy Saving Using Nanoparticle Suspensions as Heat Transfer Fluids. <i>Journal of Heat Transfer</i> , <b>2012</b> , 134,	1.8	8
6	Improving evaluation of the heat losses from arrays of pipes or electric cables buried in homogeneous soil. <i>Applied Thermal Engineering</i> , <b>2011</b> , 31, 3768-3773	5.8	16
5	Natural convection heat transfer of nanofluids in annular spaces between horizontal concentric cylinders. <i>Applied Thermal Engineering</i> , <b>2011</b> , 31, 4055-4063	5.8	42
4	Fenestration peak solar heat gain: A review of the cloudless day condition as conservative hypothesis. <i>Thermal Science</i> , <b>2011</b> , 15, 223-234	1.2	1
3	Heat loss from buried vertical plate with assigned temperature distribution. <i>Journal of Thermal Science</i> , <b>2009</b> , 18, 253-255	1.9	
2	Dimensionless Correlations for Natural Convection Heat Transfer from an Enclosed Horizontal Heated Plate. <i>Heat Transfer Engineering</i> , 1-14	1.7	1
1	Modelling the interaction of the Astro Bio Cube Sat with the Van Allen Belt radiative field using Monte Carlo transport codes. <i>Radiation Detection Technology and Methods</i> , 1	0.7	0