Marco Spiga

List of Publications by Year
in descending order

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25 papers	410 citations	840776 11 h-index	752698 20 g-index
25 all docs	25 docs citations	25 times ranked	294 citing authors

#	Article	IF	Citations
1	Convective Heat Transfer in Elliptical Microchannels Under Slip Flow Regime and H1 Boundary Conditions. Journal of Heat Transfer, 2016, 138, .	2.1	12
2	Step response for free convection between parallel walls. Heat and Mass Transfer, 2015, 51, 1761-1768.	2.1	4
3	FLOOR SHAPE EFFECTS ON HEAT LOSSES TO THE GROUND. Heat Transfer Research, 2014, 45, 349-360.	1.6	2
4	Effect of Floor Geometry on Building Heat Loss Via the Ground. Heat Transfer Engineering, 2014, 35, 1520-1527.	1.9	9
5	Influence of Outdoor Air Conditions on the Air Source Heat Pumps Performance. Energy Procedia, 2014, 45, 653-662.	1.8	52
6	Dilute gas flows through elliptic microchannels under H2 boundary conditions. International Journal of Heat and Mass Transfer, 2014, 71, 376-385.	4.8	18
7	Numerical analysis of electro-osmotic flows through elliptic microchannels. Houille Blanche, 2013, 99, 42-49.	0.3	4
8	Slip Flow in Elliptic Microducts with Constant Heat Flux. Advances in Mechanical Engineering, 2012, 4, 481280.	1.6	14
9	Analysis of laminar-to-turbulent transition for isothermal gas flows in microchannels. Microfluidics and Nanofluidics, 2009, 7, 181-190.	2.2	24
10	Optimization of ventilated roofs for livestock housing. International Communications in Heat and Mass Transfer, 2009, 36, 432-437.	5.6	6
11	The Role of the Viscous Dissipation in Heated Microchannels. Journal of Heat Transfer, 2007, 129, 308-318.	2.1	62
12	Thermal performance of silicon micro heat-sinks with electrokinetically-driven flows. International Journal of Thermal Sciences, 2006, 45, 955-961.	4.9	26
13	Performance of a polymeric heat sink with circular microchannels. Applied Thermal Engineering, 2006, 26, 787-794.	6.0	25
14	A criterion for experimental validation of slip-flow models for incompressible rarefied gases through microchannels. Microfluidics and Nanofluidics, 2005, 1, 190-196.	2.2	42
15	Friction factor at low Knudsen number for the duct with sine-shaped cross-section. International Journal of Heat and Fluid Flow, 2003, 24, 236-241.	2.4	5
16	Efficiency of the unit cell in rectangular finned tube arrangements. Applied Thermal Engineering, 1999, 19, 1147-1156.	6.0	2
17	Friction factor and Nusselt number in flat tubes with rounded edges. International Journal of Heat and Fluid Flow, 1995, 16, 307-310.	2.4	7
18	Step response of the crossflow heat exchanger with finite wall capacitance. International Journal of Heat and Mass Transfer, 1992, 35, 559-565.	4.8	32

#	Article	IF	Citations
19	Temperature in circular tubes with azimuthal disuniform heating. Heat and Mass Transfer, 1986, 20, 207-210.	0.2	2
20	Two-phase flow instability in channels with sinusoidal heat supply. Nuclear Engineering and Design, 1983, 74, 133-137.	1.7	5
21	Radiative heat transfer in plane participating media. International Communications in Heat and Mass Transfer, 1983, 10, 191-199.	5.6	7
22	RELATIONSHIP BETWEEN NUCLEAR AND THERMOMECHANICAL ASPECTS IN FUEL ROD DESIGN. Journal of Thermal Stresses, 1982, 5, 377-394.	2.0	1
23	A rigorous solution to a heat transfer two phase model in porous media and packed beds. International Journal of Heat and Mass Transfer, 1981, 24, 355-364.	4.8	44
24	Classical and accelerated evaluation of neutron escape probability. Zeitschrift Fur Angewandte Mathematik Und Physik, 1981, 32, 329-343.	1.4	0
25	Thermal analysis in the focal spot of a solar furnace. Solar Energy, 1979, 22, 515-520.	6.1	5