

# Marco Spiga

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The Role of the Viscous Dissipation in Heated Microchannels. Journal of Heat Transfer, 2007, 129, 308-318.	2.1	62
2	Influence of Outdoor Air Conditions on the Air Source Heat Pumps Performance. Energy Procedia, 2014, 45, 653-662.	1.8	52
3	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
4	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
5	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
6	Thermal performance of silicon micro heat-sinks with electrokinetically-driven flows. International Journal of Thermal Sciences, 2006, 45, 955-961.	4.9	26
7	Performance of a polymeric heat sink with circular microchannels. Applied Thermal Engineering, 2006, 26, 787-794.	6.0	25
8	Analysis of laminar-to-turbulent transition for isothermal gas flows in microchannels. Microfluidics and Nanofluidics, 2009, 7, 181-190.	2.2	24
9	Dilute gas flows through elliptic microchannels under H2 boundary conditions. International Journal of Heat and Mass Transfer, 2014, 71, 376-385.	4.8	18
10	Slip Flow in Elliptic Microducts with Constant Heat Flux. Advances in Mechanical Engineering, 2012, 4, 481280.	1.6	14
11	Convective Heat Transfer in Elliptical Microchannels Under Slip Flow Regime and H1 Boundary Conditions. Journal of Heat Transfer, 2016, 138, .	2.1	12
12	Effect of Floor Geometry on Building Heat Loss Via the Ground. Heat Transfer Engineering, 2014, 35, 1520-1527.	1.9	9
13	Radiative heat transfer in plane participating media. International Communications in Heat and Mass Transfer, 1983, 10, 191-199.	5.6	7
14	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
15	Optimization of ventilated roofs for livestock housing. International Communications in Heat and Mass Transfer, 2009, 36, 432-437.	5.6	6
16	Thermal analysis in the focal spot of a solar furnace. Solar Energy, 1979, 22, 515-520.	6.1	5
17	Two-phase flow instability in channels with sinusoidal heat supply. Nuclear Engineering and Design, 1983, 74, 133-137.	1.7	5
18	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

#	ARTICLE	IF	CITATIONS
19	Step response for free convection between parallel walls. Heat and Mass Transfer, 2015, 51, 1761-1768.	2.1	4
20	Numerical analysis of electro-osmotic flows through elliptic microchannels. Houille Blanche, 2013, 99, 42-49.	0.3	4
21	Temperature in circular tubes with azimuthal disuniform heating. Heat and Mass Transfer, 1986, 20, 207-210.	0.2	2
22	Efficiency of the unit cell in rectangular finned tube arrangements. Applied Thermal Engineering, 1999, 19, 1147-1156.	6.0	2
23	FLOOR SHAPE EFFECTS ON HEAT LOSSES TO THE GROUND. Heat Transfer Research, 2014, 45, 349-360.	1.6	2
24	RELATIONSHIP BETWEEN NUCLEAR AND THERMOMECHANICAL ASPECTS IN FUEL ROD DESIGN. Journal of Thermal Stresses, 1982, 5, 377-394.	2.0	1
25	Classical and accelerated evaluation of neutron escape probability. Zeitschrift Fur Angewandte Mathematik Und Physik, 1981, 32, 329-343.	1.4	0