Fabio Bozzoli

List of Publications by Year
in descending order

44	883	430874	501196
papers	citations	18 h-index	28 g-index

44	44	44	537
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Global and local performances of a tubular micro-pulsating heat pipe: experimental investigation. Heat and Mass Transfer, 2022, 58, 2009-2027.	2.1	9
2	Numerical simulation of the heat transfer process of a coiled tube for viscous fluids. Case Studies in Thermal Engineering, 2022, 36, 102186.	5.7	0
3	Characterisation of the heat transfer in displaced enhancement devices by means of inverse problem approach applied to IR images. Quantitative InfraRed Thermography Journal, 2021, 18, 108-126.	4.2	5
4	Thermal characterization of a multi-turn pulsating heat pipe in microgravity conditions: Statistical approach to the local wall-to-fluid heat flux. International Journal of Heat and Mass Transfer, 2021, 169, 120930.	4.8	31
5	Global and local heat transfer behaviour of a three-dimensional Pulsating Heat Pipe: combined effect of the heat load, orientation and condenser temperature. Applied Thermal Engineering, 2021, 195, 117144.	6.0	29
6	Application of an improved parameter estimation approach to characterize enhanced heat exchangers. International Journal of Heat and Mass Transfer, 2020, 147, 118886.	4.8	4
7	CFD-Simulation Assisted Design of Elastocaloric Regenerator Geometry. Sustainability, 2020, 12, 9013.	3.2	2
8	Experimental characterization of active magnetic regenerators constructed using laser beam melting technique. Applied Thermal Engineering, 2020, 174, 115297.	6.0	23
9	Non-intrusive Estimate of Spatially Varying Internal Heat Flux in Coiled Ducts: Method of Fundamental Solutions Applied to the Reciprocity Functional Approach. SEMA SIMAI Springer Series, 2020, , 139-155.	0.7	0
10	Influence of thermal boundary conditions on local convective heat transfer in coiled tubes. International Journal of Thermal Sciences, 2019, 145, 106039.	4.9	15
11	Natureâ€"Inspired Flow Patterns for Active Magnetic Regenerators Assessed Using a 1D AMR Model. Frontiers in Energy Research, 2019, 7, .	2.3	12
12	New methods for numerical estimation of convective heat transfer coefficient in circular ducts. International Journal of Thermal Sciences, 2019, 139, 387-402.	4.9	8
13	Enhanced heat transfer in tubes based on vascular heat exchangers in fish: Experimental investigation. International Journal of Heat and Mass Transfer, 2019, 137, 192-203.	4.8	30
14	An original look into pulsating heat pipes: Inverse heat conduction approach for assessing the thermal behaviour. Thermal Science and Engineering Progress, 2019, 10, 317-326.	2.7	32
15	A novel method for estimating the distribution of convective heat flux in ducts: Gaussian filtered singular value decomposition. Inverse Problems in Science and Engineering, 2019, 27, 1595-1607.	1.2	5
16	Integration of a magnetocaloric heat pump in a low-energy residential building. Building Simulation, 2018, 11, 753-763.	5.6	8
17	Internal heat transfer coefficient estimation in three-dimensional ducts through the reciprocity functional approach â€“ An analytical approach and validation with experimental data. International Journal of Heat and Mass Transfer, 2018, 122, 587-601.	4.8	4
18	Inverse heat transfer modeling applied to the estimation of the apparent thermal conductivity of an intumescent fire retardant paint. Experimental Thermal and Fluid Science, 2018, 90, 143-152.	2.7	27

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19	Turbulent flow regime in coiled tubes: local heat-transfer coefficient. Heat and Mass Transfer, 2018, 54, 2371-2381.	2.1	9
20	Filtered reciprocity functional approach to estimate internal heat transfer coefficients in 2D cylindrical domains using infrared thermography. International Journal of Heat and Mass Transfer, 2018, 125, 1181-1195.	4.8	12
21	Estimation of the local heat transfer coefficient in coiled tubes. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 575-586.	2.8	15
22	Experimental study of the transitional flow regime in coiled tubes by the estimation of local convective heat transfer coefficient. International Journal of Heat and Mass Transfer, 2017, 112, 825-836.	4.8	30
23	Numerical analysis of the laminar forced convective heat transfer in coiled tubes with periodic ring-type corrugation. Journal of Physics: Conference Series, 2016, 745, 032072.	0.4	1
24	Experimental estimation of the local heat-transfer coefficient in coiled tubes in turbulent flow regime. Journal of Physics: Conference Series, 2016, 745, 032034.	0.4	5
25	Effect of wall corrugation on local convective heat transfer in coiled tubes. International Journal of Heat and Mass Transfer, 2016, 101, 76-90.	4.8	51
26	Numerical estimation of convective heat transfer coefficient through linearization. International Journal of Heat and Mass Transfer, 2016, 102, 1230-1244.	4.8	10
27	Infrared image filtering applied to the restoration of the convective heat transfer coefficient distribution in coiled tubes. Opto-electronics Review, 2015, 23, .	2.4	11
28	The reciprocity function approach applied to the non-intrusive estimation of spatially varying internal heat transfer coefficients in ducts: numerical and experimental results. International Journal of Heat and Mass Transfer, 2015, 90, 1221-1231.	4.8	15
29	Functionally Graded Ceramics Fabricated with Sideâ€byâ€Side Tape Casting for Use in Magnetic Refrigeration. International Journal of Applied Ceramic Technology, 2015, 12, 891-898.	2.1	12
30	Estimation of the local convective heat transfer coefficient in pipe flow using a 2D thermal Quadrupole model and Truncated Singular Value Decomposition. International Journal of Heat and Mass Transfer, 2015, 91, 1034-1045.	4.8	29
31	Finite Element Modeling of Camber Evolution During Sintering of Bilayer Structures. Journal of the American Ceramic Society, 2014, 97, 2965-2972.	3.8	13
32	Estimation of the local heat-transfer coefficient in the laminar flow regime in coiled tubes by the Tikhonov regularisation method. International Journal of Heat and Mass Transfer, 2014, 72, 352-361.	4.8	69
33	Estimation of local heat transfer coefficient in coiled tubes under inverse heat conduction problem approach. Experimental Thermal and Fluid Science, 2014, 59, 246-251.	2.7	29
34	Inverse estimation of the local heat transfer coefficient in curved tubes: a numerical validation. Journal of Physics: Conference Series, 2014, 501, 012002.	0.4	2
35	Experimental validation of the filtering technique approach applied to the restoration of the heat source field. Experimental Thermal and Fluid Science, 2013, 44, 858-867.	2.7	35
36	Compound convective heat transfer enhancement in helically coiled wall corrugated tubes. International Journal of Heat and Mass Transfer, 2013, 59, 353-362.	4.8	93

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37	Numerical 2-D Modeling of a Coaxial Scraped Surface Heat Exchanger Versus Experimental Results Under the Laminar Flow Regime. Heat Transfer Engineering, 2012, 33, 1120-1129.	1.9	10
38	Experimental investigation on the convective heat transfer enhancement for highly viscous fluids in helical coiled corrugated tubes. Journal of Physics: Conference Series, 2012, 395, 012032.	0.4	7
39	Experimental investigation on the convective heat transfer in straight and coiled corrugated tubes for highly viscous fluids: Preliminary results. International Journal of Heat and Mass Transfer, 2012, 55, 498-504.	4.8	75
40	Numerical analysis of convective heat transfer enhancement in swirl tubes. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 559-571.	2.8	15
41	Comparative application of CGM and Wiener filtering techniques for the estimation of heat flux distribution. Inverse Problems in Science and Engineering, 2011, 19, 551-573.	1.2	20
42	Effect of a Hydrophobic Coating on the Local Heat Transfer Coefficient in Forced Convection under Wet Conditions. Experimental Heat Transfer, 2009, 22, 163-177.	3.2	25
43	Characterization of an uncooled infrared thermographic system suitable for the solution of the 2-D inverse heat conduction problem. Experimental Thermal and Fluid Science, 2008, 32, 1492-1498.	2.7	24
44	Wiener filtering technique applied to thermographic data reduction intended for the estimation of plate fins performance. Experimental Thermal and Fluid Science, 2004, 28, 179-183.	2.7	22