

Daniel Bougeard

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

635
citations

759233

12
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

533
citing authors

#	ARTICLE	IF	CITATIONS
1	Partitioned solver for strongly coupled fluid-structure interaction. <i>Computers and Fluids</i> , 2013, 71, 306-319.	2.5	104
2	Novel design of delta winglet pair vortex generator for heat transfer enhancement. <i>International Journal of Thermal Sciences</i> , 2016, 109, 1-9.	4.9	97
3	Enhancing heat transfer in vortex generator-type multifunctional heat exchangers. <i>Applied Thermal Engineering</i> , 2012, 38, 14-25.	6.0	82
4	Topology Optimization Using the SIMP Method for Multiobjective Conductive Problems. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2012, 61, 439-470.	0.9	63
5	Effect of rectangular winglet pair roll angle on the heat transfer enhancement in laminar channel flow. <i>International Journal of Thermal Sciences</i> , 2017, 114, 1-14.	4.9	40
6	Heat transfer enhancement of inclined projected winglet pair vortex generators with protrusions. <i>International Journal of Thermal Sciences</i> , 2018, 134, 541-551.	4.9	40
7	Numerical analysis of the performance enhancement of a latent heat storage shell and tube unit using finned tubes during melting and solidification. <i>Applied Thermal Engineering</i> , 2021, 192, 116866.	6.0	37
8	Chaotic mixing by longitudinal vorticity. <i>Chemical Engineering Science</i> , 2013, 104, 439-450.	3.8	28
9	Quantitative infrared investigation of local heat transfer in a circular finned tube heat exchanger assembly. <i>International Journal of Heat and Fluid Flow</i> , 2013, 44, 197-207.	2.4	19
10	Development of an innovative heat exchanger for sensible heat storage in agro-food industry. <i>Applied Thermal Engineering</i> , 2020, 177, 115412.	6.0	17
11	Large Eddy simulation and Reynolds-averaged Navier-Stokes modeling of flow in staggered plate arrays: Comparison at various flow regimes. <i>Applied Thermal Engineering</i> , 2015, 89, 405-420.	6.0	16
12	Numerical analysis of the fin spacing effect on the horseshoe vortex system evolution in a two-rows finned-tube heat exchanger. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013, 23, 1136-1154.	2.8	14
13	Inverse determination of convective heat transfer between an impinging jet and a continuously moving flat surface. <i>International Journal of Heat and Fluid Flow</i> , 2014, 50, 83-94.	2.4	13
14	High performance finned-tube heat exchangers based on filled polymer. <i>Applied Thermal Engineering</i> , 2019, 155, 620-630.	6.0	13
15	Effect of the angle of attack of a rectangular wing on the heat transfer enhancement in channel flow at low Reynolds number. <i>Heat and Mass Transfer</i> , 2018, 54, 1441-1452.	2.1	11
16	Large Eddy Simulation of transitional flows in an elliptical finned-tube heat exchanger. <i>International Journal of Thermal Sciences</i> , 2019, 144, 158-172.	4.9	10
17	Comparison of eddy viscosity turbulence models and stereoscopic PIV measurements for a flow past rectangular-winglet pair vortex generator. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 169, 108637.	3.6	10
18	Large Eddy Simulation of boundary layer transition over an isolated ramp-type micro roughness element. <i>International Journal of Heat and Fluid Flow</i> , 2019, 80, 108492.	2.4	7

#	ARTICLE	IF	CITATIONS
19	Inclination Angle Optimization for Inclined Projected Winglet Pair Vortex Generator. Journal of Thermal Science and Engineering Applications, 2019, 11, .	1.5	6
20	Experimental analysis by stereo-PIV of the development of streamwise vortices downstream of rectangular winglets. Heat and Mass Transfer, 2020, 56, 2487-2502.	2.1	3
21	Wall temperature fluctuations measurements downstream of a pipe junction using infrared thermography. Quantitative InfraRed Thermography Journal, 2013, 10, 172-187.	4.2	2
22	Infrared thermography for local Nusselt number estimation of an elliptical fin with a transient method. Quantitative InfraRed Thermography Journal, 2014, 11, 115-128.	4.2	2
23	Numerical Simulation of the Interaction Between Fluid Flow and Elastic Flaps Oscillations. , 2013, , .		1
24	Effect of the angle of attack of a rectangular vortex generator on the heat transfer in a parallel plate flow. , 2016, , .		0
25	Determination of local heat-transfer coefficient distribution on a vortex enhanced finned-tube heat exchanger fin using infrared thermography. , 2014, , .		0
26	Inverse identification of unsteady heat transfer coefficient using infrared thermography in a fin an tube heat exchanger assembly. , 2014, , .		0
27	Effect of the streamwise orientation of a pair of vortex generator on the flow and heat transfer characteristics in a plain channel. Journal of Thermal Science and Engineering Applications, 0, , 1-24.	1.5	0