Daniel Bougeard

List of Publications by Year
in descending order

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	Numerical analysis of the performance enhancement of a latent heat storage shell and tube unit using finned tubes during melting and solidification. Applied Thermal Engineering, 2021, 192, 116866.	6.0	37
2	Comparison of eddy viscosity turbulence models and stereoscopic PIV measurements for a flow past rectangular-winglet pair vortex generator. Chemical Engineering and Processing: Process Intensification, 2021, 169, 108637.	3.6	10
3	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
4	Development of an innovative heat exchanger for sensible heat storage in agro-food industry. Applied Thermal Engineering, 2020, 177, 115412.	6.0	17
5	Large Eddy Simulation of transitional flows in an elliptical finned-tube heat exchanger. International Journal of Thermal Sciences, 2019, 144, 158-172.	4.9	10
6	High performance finned-tube heat exchangers based on filled polymer. Applied Thermal Engineering, 2019, 155, 620-630.	6.0	13
7	Large Eddy Simulation of boundary layer transition over an isolated ramp-type micro roughness element. International Journal of Heat and Fluid Flow, 2019, 80, 108492.	2.4	7
8	Inclination Angle Optimization for â€œInclined Projected Winglet Pairâ€•Vortex Generator. Journal of Thermal Science and Engineering Applications, 2019, 11, .	1.5	6
9	Effect of the angle of attack of a rectangular wing on the heat transfer enhancement in channel flow at low Reynolds number. Heat and Mass Transfer, 2018, 54, 1441-1452.	2.1	11
10	Heat transfer enhancement of inclined projected winglet pair vortex generators with protrusions. International Journal of Thermal Sciences, 2018, 134, 541-551.	4.9	40
11	Effect of rectangular winglet pair roll angle on the heat transfer enhancement in laminar channel flow. International Journal of Thermal Sciences, 2017, 114, 1-14.	4.9	40
12	Effect of the angle of attack of a rectangular vortex generator on the heat transfer in a parallel plate flow. , 2016, , .		0
13	Novel design of delta winglet pair vortex generator for heat transfer enhancement. International Journal of Thermal Sciences, 2016, 109, 1-9.	4.9	97
14	Large Eddy simulation and Reynolds-averaged Navierâ€“Stokes modeling of flow in staggered plate arrays: Comparison at various flow regimes. Applied Thermal Engineering, 2015, 89, 405-420.	6.0	16
15	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
16	Inverse determination of convective heat transfer between an impinging jet and a continuously moving flat surface. International Journal of Heat and Fluid Flow, 2014, 50, 83-94.	2.4	13
17	Determination of local heat-transfer coefficient distribution on a vortex enhanced finned-tube heat exchanger fin using infrared thermography. , 2014, , .		0
18	Inverse identification of unsteady heat transfer coefficient using infrared thermography in a fin an tube heat exchanger assembly. , 2014, , .		0

#	Article	IF	Citations
19	Quantitative infrared investigation of local heat transfer in a circular finned tube heat exchanger assembly. International Journal of Heat and Fluid Flow, 2013, 44, 197-207.	2.4	19
20	Partitioned solver for strongly coupled fluidâ€“structure interaction. Computers and Fluids, 2013, 71, 306-319.	2.5	104
21	Chaotic mixing by longitudinal vorticity. Chemical Engineering Science, 2013, 104, 439-450.	3.8	28
22	Numerical Simulation of the Interaction Between Fluid Flow and Elastic Flaps Oscillations. , 2013, , .		1
23	Numerical analysis of the fin spacing effect on the horseshoe vortex system evolution in a two-rows finned-tube heat exchanger. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 1136-1154.	2.8	14
24	Wall temperature fluctuations measurements downstream of a pipe junction using infrared thermography. Quantitative InfraRed Thermography Journal, 2013, 10, 172-187.	4.2	2
25	Topology Optimization Using the SIMP Method for Multiobjective Conductive Problems. Numerical Heat Transfer, Part B: Fundamentals, 2012, 61, 439-470.	0.9	63
26	Enhancing heat transfer in vortex generator-type multifunctional heat exchangers. Applied Thermal Engineering, 2012, 38, 14-25.	6.0	82
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