

Sertac Cadirci

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

140
citations

1478505

6
h-index

1372567

10
g-index

30
all docs

30
docs citations

30
times ranked

114
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi objective optimization of a micro-channel heat sink through genetic algorithm. International Journal of Heat and Mass Transfer, 2020, 146, 118847.	4.8	46
2	A numerical study on the lubrication system for a hermetic reciprocating compressor used in household refrigerators. International Journal of Refrigeration, 2014, 48, 210-220.	3.4	20
3	Multi-objective optimization of multiple impinging jet system through genetic algorithm. International Journal of Heat and Mass Transfer, 2020, 158, 119978.	4.8	19
4	Experimental and numerical investigation of lubrication system for reciprocating compressor. International Journal of Refrigeration, 2019, 108, 224-233.	3.4	10
5	Numerical investigation of a jet and vortex actuator in a cross flow boundary layer. European Journal of Mechanics, B/Fluids, 2014, 44, 42-59.	2.5	8
6	Active flow control applications with a jet and vortex actuator in a laminar cross flow. International Journal of Heat and Fluid Flow, 2013, 39, 146-159.	2.4	6
7	An Experimental Investigation of Jet and Vortex Actuator for Active Flow Control. , 2008, , .		4
8	Numerical Investigation of Jet and Vortex Actuator (JaVA) for Active Flow Control. , 2010, , .		4
9	Modeling and Inverse Design of Convective Heat Transfer in a Grooved Channel Using Proper Orthogonal Decomposition. , 2009, , .		3
10	Optimization of a Centrifugal Fan Impeller Using Kriging Simulated Annealing. , 2011, , .		3
11	Experimental and numerical investigation on particle-particle interaction of multi-particle separation in an alternating and repetitive microchannel. Microsystem Technologies, 2019, 25, 307-318.	2.0	3
12	Studying dynamic stress effects on the behaviour of THP-1 cells by microfluidic channels. Scientific Reports, 2021, 11, 14379.	3.3	3
13	Experimental Investigation of a Jet and Vortex Actuator Using Particle Image Velocimetry. , 2012, , .		2
14	Investigation on the effects of variable shear stress on monocyte cell morphology. Micro and Nano Letters, 2017, 12, 881-885.	1.3	2
15	Investigation of Mechanical Effects on Heat Pump Evaporator to Accelerate Water Drainage. International Journal of Heat and Technology, 2019, 37, 966-974.	0.6	2
16	HEAT TRANSFER ENHANCEMENT BEHIND A BACKWARD FACING STEP USING LOCALIZED SUCTION AND BLOWING. , 2014, , .		2
17	Investigation on the effects of variable shear stress on monocyte cell morphology. , 2017, , .		1
18	On the Use of POD-Models for Convective Flow in a Grooved Channel. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
19	Proper Orthogonal Decomposition Analysis of JaVA Flows for Cross-Flow Conditions. , 2011, , .		1
20	Numerical Simulation of Mixed Convection in a Rectangular Cavity With Multiple Heat Sources. , 2009, , .		0
21	Active Flow Control With an Oscillating Backward Facing Step. , 2012, , .		0
22	Active Flow Control With an Oscillating Backward Facing Step in a Shallow Open Channel. , 2012, , .		0
23	Boundary Layer Separation Control on an Inclined Plate Using Jet and Vortex Actuator. , 2013, , .		0
24	Numerical Simulation of Lubrication System in a Hermetic Reciprocating Compressor. , 2014, , .		0
25	Experimental Investigation of Oil Flowrate in a Hermetic Reciprocating Compressor. , 2014, , .		0
26	A Parametric Investigation of Jet and Vortex Actuator. , 2014, , .		0
27	Numerical Investigation of JaVA-Induced Flow in Quiescent Water. , 2013, , .		0
28	POD Analysis of Jet and Vortex Flows Induced by Oscillating Backward Facing Step. Springer Proceedings in Physics, 2016, , 249-257.	0.2	0
29	Active Flow Control Behind a Backward Facing Step Using a Zero-Net-Mass-Flux System. Springer Proceedings in Physics, 2016, , 231-239.	0.2	0
30	Numerical investigation of wall shear stress and pressure difference in microchannels. Pamukkale University Journal of Engineering Sciences, 2018, 24, 19-24.	0.4	0