

Ebrahim Al-Hajri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1448855/publications.pdf>

Version: 2024-02-01

22
papers

563
citations

840776

11
h-index

1199594

12
g-index

22
all docs

22
docs citations

22
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance, microarchitected, compact heat exchanger enabled by 3D printing. Applied Thermal Engineering, 2022, 210, 118339.	6.0	59
2	Geometric optimization of shell and tube heat exchanger with interstitial twisted tapes outside the tubes applying CFD techniques. Applied Thermal Engineering, 2019, 152, 559-572.	6.0	34
3	Performance characteristics of a novel shell and tube heat exchanger with shell side interstitial twisted tapes for viscous fluids application. Applied Thermal Engineering, 2018, 134, 248-255.	6.0	16
4	Detailed Dynamic Model of an Institutional Building in Hot and Humid Climate Conditions. , 2017, , .		0
5	Geometric optimization for thermalâ€“hydraulic performance of dimpled enhanced tubes for single phase flow. Applied Thermal Engineering, 2016, 103, 639-650.	6.0	62
6	Heterogeneous Catalytic Polymerization of Ethylene in Microtubular Reactor Systems. Chemical Engineering and Technology, 2016, 39, 293-300.	1.5	4
7	Single phase heat transfer and pressure drop analysis of a dimpled enhanced tube. Applied Thermal Engineering, 2016, 101, 38-46.	6.0	89
8	A Computer Program for Working Fluid Selection of Low Temperature Organic Rankine Cycle. , 2015, , .		2
9	Experimental Characterization of a Nickel Alloy-Based Manifold-Microgroove Evaporator. Heat Transfer Engineering, 2015, 36, 33-42.	1.9	19
10	Numerical modeling and thermal optimization of a single-phase flow manifold-microchannel plate heat exchanger. International Journal of Heat and Mass Transfer, 2015, 81, 478-489.	4.8	94
11	Phase field modeling of Taylor flow in mini/microchannels, Part II: Hydrodynamics of Taylor flow. Chemical Engineering Science, 2013, 94, 156-165.	3.8	23
12	Mass transfer characteristics of gasâ€“liquid absorption during Taylor flow in mini/microchannel reactors. Chemical Engineering Science, 2013, 101, 69-80.	3.8	88
13	Phase field modeling of Taylor flow in mini/microchannels, Part I: Bubble formation mechanisms and phase field parameters. Chemical Engineering Science, 2013, 94, 138-149.	3.8	25
14	Performance characterization of R134a and R245fa in a high aspect ratio microchannel condenser. International Journal of Refrigeration, 2013, 36, 588-600.	3.4	35
15	Experimental Characterization of Heat Transfer and Pressure Drop Inside a Tubular Evaporator Utilizing Advanced Microgrooved Surfaces. Journal of Thermal Science and Engineering Applications, 2012, 4, .	1.5	0
16	Mass and Heat Transfer Characteristics of a Single-High Aspect Ratio Microchannel Absorber. , 2012, , .		0
17	Analysis of Taylor Flow in Microchannels by the Phase Field Method. , 2011, , .		3
18	Phase Field Method for Simulation of Multiphase Flow. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
19	High Performance Micro-Grooved Evaporative Heat Transfer Surface for Low Grade Waste Heat Recovery Applications. , 2011, , .		7
20	Numerical Simulation of Mass Transfer Characteristics in a Taylor Flow Microreactor. , 2011, , .		1
21	Studies on Condensation of Refrigerants in a High Aspect Ratio Microchannel and in a Novel Micro-Groove Surface Heat Exchanger: Development of Micro-Condensers in Compact Two Phase Cooling Systems. , 2007, , 109.		1
22	Forced Convection Boiling in Microchannels for Improved Heat Transfer. , 2006, , 635.		0