

Sateesh Gedupudi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5223320/publications.pdf>

Version: 2024-02-01

34
papers

445
citations

759190

12
h-index

752679

20
g-index

35
all docs

35
docs citations

35
times ranked

398
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of interplay of nanoparticles, surfactants and base fluid on the surface tension of nanocolloids. <i>European Physical Journal E</i> , 2017, 40, 53.	1.6	83
2	Straw bale based constructions: Measurement of effective thermal transport properties. <i>Construction and Building Materials</i> , 2019, 198, 182-194.	7.2	44
3	Wettability of Complex Fluids and Surfactant Capped Nanoparticle-Induced Quasi-Universal Wetting Behavior. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6081-6095.	2.6	33
4	Influence of heating surface characteristics on flow boiling in a copper microchannel: Experimental investigation and assessment of correlations. <i>International Journal of Heat and Mass Transfer</i> , 2019, 128, 290-318.	4.8	29
5	Effect of Interaction of Nanoparticles and Surfactants on the Spreading Dynamics of Sessile Droplets. <i>Langmuir</i> , 2017, 33, 12180-12192.	3.5	28
6	Modeling of pressure drop and heat transfer for flow boiling in a mini/micro-channel of rectangular cross-section. <i>International Journal of Heat and Mass Transfer</i> , 2019, 140, 1029-1054.	4.8	19
7	Experimental investigation of flow boiling in rectangular mini/micro-channels of different aspect ratios without and with vapour venting membrane. <i>Applied Thermal Engineering</i> , 2020, 168, 114837.	6.0	18
8	Correlating contact line capillarity and dynamic contact angle hysteresis in surfactant-nanoparticle based complex fluids. <i>Physics of Fluids</i> , 2018, 30, .	4.0	17
9	Oscillatory solutothermal convection-driven evaporation kinetics in colloidal nanoparticle-surfactant complex fluid pendant droplets. <i>Physical Review Fluids</i> , 2018, 3, .	2.5	17
10	On the influence of concrete-straw-plaster envelope thermal mass on the cooling and heating loads for different climatic zones of India. <i>Journal of Cleaner Production</i> , 2020, 276, 123117.	9.3	14
11	Subcooled flow boiling of water in a copper microchannel: Experimental investigation and assessment of predictive methods. <i>International Communications in Heat and Mass Transfer</i> , 2019, 103, 24-30.	5.6	13
12	On the prediction of pressure drop in subcooled flow boiling of water. <i>Applied Thermal Engineering</i> , 2019, 155, 386-396.	6.0	13
13	Thermodynamic analysis of a combined cycle for cold storage and power generation using geothermal heat source. <i>Thermal Science and Engineering Progress</i> , 2019, 11, 19-27.	2.7	12
14	An Experimental Investigation on the Influence of Copper Ageing on Flow Boiling in a Copper Microchannel. <i>Heat Transfer Engineering</i> , 2020, 41, 333-350.	1.9	11
15	Experimental investigation of the influence of boiling-induced ageing on high heat flux flow boiling in a copper microchannel. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121862.	4.8	10
16	On the Prediction of Pressure Fluctuations and Pressure Drop Caused by Confined Bubble Growth During Flow Boiling in a Rectangular Mini/Micro-Channel. <i>Heat Transfer Engineering</i> , 2020, 41, 1763-1783.	1.9	9
17	Flow Boiling in Rectangular Microchannels: 1-D Modeling of the Influence of Inlet Resistance on Flow Reversal. <i>Heat Transfer Engineering</i> , 2016, 37, 1114-1125.	1.9	8
18	Governing Influence of Thermodynamic and Chemical Equilibria on the Interfacial Properties in Complex Fluids. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4141-4148.	2.6	8

#	ARTICLE	IF	CITATIONS
19	1-D semi-analytical modeling and parametric study of a single phase rectangular Coupled Natural Circulation Loop. <i>Chemical Engineering Science</i> , 2019, 207, 105-129.	3.8	8
20	Experimental investigation of the effect of bypass inlet on flow boiling in a mini/micro-channel. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104405.	5.6	8
21	Experimental Investigation on the Change in Flow Boiling Characteristics Due to Boiling-Induced Copper Ageing. <i>Journal of Heat Transfer</i> , 2021, 143, .	2.1	8
22	Numerical investigation on the heat transfer coefficient jump in tilted single-phase natural circulation loop and coupled natural circulation loop. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 104920.	5.6	7
23	In situ thermal characterization of rice straw envelope of an outdoor test room. <i>Journal of Building Engineering</i> , 2021, 33, 101416.	3.4	6
24	On the thermal performance of naturally ventilated room with straw insulation retrofitted envelope for different climatic zones of India. <i>Journal of Cleaner Production</i> , 2022, 342, 130665.	9.3	6
25	Fourier series based 1-D numerical modelling of the dynamics of inclined closed loop buoyancy driven heat exchangers with conjugate effect. <i>International Journal of Thermal Sciences</i> , 2021, 167, 106987.	4.9	4
26	Stability analysis of a single phase rectangular coupled natural circulation loop system employing a Fourier series based 1-D model. <i>Chemical Engineering Science</i> , 2022, 247, 116900.	3.8	4
27	Studies on Three-Dimensional Mixed Convection with Surface Radiation in a Rectangular Channel with Discrete Heat Sources. <i>Heat Transfer Engineering</i> , 2019, 40, 66-80.	1.9	3
28	Numerical and experimental investigation of multi-mode heat transfer in a square cavity with and without triangular fins. <i>Heat and Mass Transfer</i> , 2018, 54, 757-772.	2.1	2
29	Numerical Study of Single-Phase Heat Transfer Performance of a Mini/Micro-Channel Integrated With Multiple Bypass Micro-Nozzles. <i>Journal of Thermal Science and Engineering Applications</i> , 2021, 13, .	1.5	2
30	Experimental and Numerical Investigation of the Effect of Bypass Injection on Wall Temperature Distribution of a Single-Phase Mini/Micro-Channel. <i>Heat Transfer Engineering</i> , 2022, 43, 101-125.	1.9	1
31	Special issue on computational heat transfer and fluid dynamics. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2018, 10, 237-237.	1.1	0
32	Special issue on computational heat transfer and fluid dynamics. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2018, 10, 115-115.	1.1	0
33	Boiling and condensation. , 2021, , 351-396.		0
34	Development of a Compact Multivariable Sensor Probe for Two-Phase Detection in High Temperature PbLi-argon Vertical Columns. <i>Instruments and Experimental Techniques</i> , 2022, 65, 179-189.	0.5	0