A Brusly Solomon

List of Publications by Year
in descending order

40 papers	1,199 citations	430754 18 h-index	377752 34 g-index
40 all docs	40 docs citations	40 times ranked	777 citing authors

#	Article	IF	Citations
1	Experimental investigation of a two-phase closed thermosyphon with Al₂O₃/R134a nanorefrigerant. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024, 238, 56-66.	1.4	0
2	Research progress on performance enhancement of heat pipes: a review. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2847-2883.	2.0	13
3	Effect of copperâ€“graphene hybrid nanoplatelets in a miniature loop heat pipe. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5985-5999.	2.0	14
4	Turbulent magnetohydrodynamic natural convection in a heat pipe-assisted cavity using disk-shaped magnesium ferrite nanoparticles. Applied Nanoscience (Switzerland), 2022, 12, 1627-1641.	1.6	2
5	Experimental studies on thermosyphon using low global warming potential refrigerant HFE7000 and nanorefrigerant HFE7000/Al₂O₃. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2021, 235, 707-717.	1.4	6
6	Effect of magnetic field on the thermophysical properties of low-density ferrofluid with disk-shaped MgFe2O4 nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126083.	2.3	11
7	Effect of Temperature on the Surface Characteristics of Anodized Aluminium Tubes. Lecture Notes in Mechanical Engineering, 2021, , 591-600.	0.3	0
8	Comparative study on the heat transfer performance of micro-grooved anodized thermosyphon with R134a, R600a and R717 for low-temperature applications. Journal of Mechanical Science and Technology, 2021, 35, 5213-5223.	0.7	2
9	Effect of thin porous copper coating on the performance of wickless heat pipe with R134a as working fluid. Journal of Thermal Analysis and Calorimetry, 2020, 139, 963-973.	2.0	9
10	Characterization of magnesium ferrite nanofluids for heat transfer applications. Materials Today: Proceedings, 2020, 27, 107-110.	0.9	9
11	Heat transfer properties of HFE and R134a based Al2O3 nano refrigerant in thermosyphon for enhancing the heat transfer. Materials Today: Proceedings, 2020, 27, 268-274.	0.9	7
12	A review of experimental studies on cylindrical two-phase closed thermosyphon using refrigerant for low-temperature applications. International Journal of Refrigeration, 2020, 120, 296-313.	1.8	17
13	Performance study of flat heat pipe with metallic copper hierarchical structure as a wick. IOP Conference Series: Materials Science and Engineering, 2020, 872, 012079.	0.3	2
14	Characterization of flat miniature loop heat pipe using water and methanol at different inclinations. Experimental Heat Transfer, 2020, , 1-23.	2.3	6
15	Heat transfer characteristics and flow visualization of anodized flat thermosiphon. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2020, 234, 182-192.	1.4	4
16	Preparation, characterization and thermo-physical properties of Cu-graphene nanoplatelets hybrid nanofluids. Materials Today: Proceedings, 2020, 27, 610-614.	0.9	19
17	Application of bio-wick in compact loop heat pipe. Applied Thermal Engineering, 2020, 169, 114927.	3.0	27
18	Effect of nano cupric oxide coating on the forced convection performance of a mixed-mode flat plate solar dryer. Renewable Energy, 2020, 155, 1165-1172.	4.3	34

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19	Experimental investigation on the critical heat flux of Cu-water, Al-water nanofluids for precise cooling of electronic systems. IOP Conference Series: Materials Science and Engineering, 2019, 561, 012036.	0.3	3
20	U-drill embedded with phase change heat transfer device for machining applications. Case Studies in Thermal Engineering, 2019, 15, 100533.	2.8	5
21	Optimum concentration of nanofluids for heat transfer enhancement under cavity flow natural convection with TiO2 â€“ Water. International Communications in Heat and Mass Transfer, 2018, 98, 297-303.	2.9	63
22	Characterisation of a grooved heat pipe with an anodised surface. Heat and Mass Transfer, 2017, 53, 753-763.	1.2	30
23	Natural convection enhancement in a porous cavity with Al2O3-Ethylene glycol/water nanofluids. International Journal of Heat and Mass Transfer, 2017, 108, 1324-1334.	2.5	45
24	Performance enhancement of a two-phase closed thermosiphon with a thin porous copper coating. International Communications in Heat and Mass Transfer, 2017, 82, 9-19.	2.9	53
25	Experimental study on the influence of the aspect ratio of square cavity on natural convection heat transfer with Al 2 O 3 /Water nanofluids. International Communications in Heat and Mass Transfer, 2017, 88, 254-261.	2.9	53
26	Experimental Study of Thermal Energy Storage Characteristics using Heat Pipe with Nano-Enhanced Phase Change Materials. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012058.	0.3	6
27	Heat pipe with nano enhanced-PCM for electronic cooling application. Experimental Thermal and Fluid Science, 2017, 81, 84-92.	1.5	172
28	Enhancement in heat transfer of a ferrofluid in a differentially heated square cavity through the use of permanent magnets. Journal of Magnetism and Magnetic Materials, 2017, 443, 149-158.	1.0	42
29	Analytical expression for thermal conductivity of heat pipe. Applied Thermal Engineering, 2016, 100, 462-467.	3.0	30
30	Understanding thermo-fluidic characteristics of a glass tube closed loop pulsating heat pipe: flow patterns and fluid oscillations. Heat and Mass Transfer, 2015, 51, 1669-1680.	1.2	28
31	Effect of anodization on the heat transfer performance of flat thermosyphon. Experimental Thermal and Fluid Science, 2015, 68, 574-581.	1.5	38
32	Heat transfer performance of an anodized two-phase closed thermosyphon with refrigerant as working fluid. International Journal of Heat and Mass Transfer, 2015, 82, 521-529.	2.5	79
33	Numerical analysis of a screen mesh wick heat pipe with Cu/water nanofluid. International Journal of Heat and Mass Transfer, 2014, 75, 523-533.	2.5	66
34	Effect of nanofluids on thermal performance of closed loop pulsating heat pipe. Experimental Thermal and Fluid Science, 2014, 54, 171-178.	1.5	81
35	Thermal performance of anodized two phase closed thermosyphon (TPCT). Experimental Thermal and Fluid Science, 2013, 48, 49-57.	1.5	62
36	EFFECT OF NUMBER OF TURNS ON THE TEMPERATURE PULSATIONS AND CORRESPONDING THERMAL PERFORMANCE OF PULSATING HEAT PIPE. Journal of Enhanced Heat Transfer, 2013, 20, 443-452.	0.5	7

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37	Thermal performance of heat pipe with suspended nano-particles. Heat and Mass Transfer, 2012, 48, 1913-1920.	1.2	16
38	Thermal performance of a heat pipe with nanoparticles coated wick. Applied Thermal Engineering, 2012, 36, 106-112.	3.0	85
39	Thermal Performance of cylindrical Heat Pipe Using Nanofluids. Journal of Thermophysics and Heat Transfer, 2010, 24, 796-802.	0.9	52
40	Experimental studies of rotating heat pipes. Heat Transfer - Asian Research, 2009, 38, 475-484.	2.8	1