

# A Brusly Solomon

## List of Publications by Year in descending order

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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	Heat pipe with nano enhanced-PCM for electronic cooling application. <i>Experimental Thermal and Fluid Science</i> , 2017, 81, 84-92.	1.5	172
2	Thermal performance of a heat pipe with nanoparticles coated wick. <i>Applied Thermal Engineering</i> , 2012, 36, 106-112.	3.0	85
3	Effect of nanofluids on thermal performance of closed loop pulsating heat pipe. <i>Experimental Thermal and Fluid Science</i> , 2014, 54, 171-178.	1.5	81
4	Heat transfer performance of an anodized two-phase closed thermosyphon with refrigerant as working fluid. <i>International Journal of Heat and Mass Transfer</i> , 2015, 82, 521-529.	2.5	79
5	Numerical analysis of a screen mesh wick heat pipe with Cu/water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2014, 75, 523-533.	2.5	66
6	Optimum concentration of nanofluids for heat transfer enhancement under cavity flow natural convection with TiO <sub>2</sub> " Water. <i>International Communications in Heat and Mass Transfer</i> , 2018, 98, 297-303.	2.9	63
7	Thermal performance of anodized two phase closed thermosyphon (TPCT). <i>Experimental Thermal and Fluid Science</i> , 2013, 48, 49-57.	1.5	62
8	Performance enhancement of a two-phase closed thermosiphon with a thin porous copper coating. <i>International Communications in Heat and Mass Transfer</i> , 2017, 82, 9-19.	2.9	53
9	Experimental study on the influence of the aspect ratio of square cavity on natural convection heat transfer with Al <sub>2</sub> O <sub>3</sub> /Water nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017, 88, 254-261.	2.9	53
10	Thermal Performance of cylindrical Heat Pipe Using Nanofluids. <i>Journal of Thermophysics and Heat Transfer</i> , 2010, 24, 796-802.	0.9	52
11	Natural convection enhancement in a porous cavity with Al <sub>2</sub> O <sub>3</sub> -Ethylene glycol/water nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 1324-1334.	2.5	45
12	Enhancement in heat transfer of a ferrofluid in a differentially heated square cavity through the use of permanent magnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 149-158.	1.0	42
13	Effect of anodization on the heat transfer performance of flat thermosyphon. <i>Experimental Thermal and Fluid Science</i> , 2015, 68, 574-581.	1.5	38
14	Effect of nano cupric oxide coating on the forced convection performance of a mixed-mode flat plate solar dryer. <i>Renewable Energy</i> , 2020, 155, 1165-1172.	4.3	34
15	Analytical expression for thermal conductivity of heat pipe. <i>Applied Thermal Engineering</i> , 2016, 100, 462-467.	3.0	30
16	Characterisation of a grooved heat pipe with an anodised surface. <i>Heat and Mass Transfer</i> , 2017, 53, 753-763.	1.2	30
17	Understanding thermo-fluidic characteristics of a glass tube closed loop pulsating heat pipe: flow patterns and fluid oscillations. <i>Heat and Mass Transfer</i> , 2015, 51, 1669-1680.	1.2	28
18	Application of bio-wick in compact loop heat pipe. <i>Applied Thermal Engineering</i> , 2020, 169, 114927.	3.0	27

#	ARTICLE	IF	CITATIONS
19	Preparation, characterization and thermo-physical properties of Cu-graphene nanoplatelets hybrid nanofluids. <i>Materials Today: Proceedings</i> , 2020, 27, 610-614.	0.9	19
20	A review of experimental studies on cylindrical two-phase closed thermosyphon using refrigerant for low-temperature applications. <i>International Journal of Refrigeration</i> , 2020, 120, 296-313.	1.8	17
21	Thermal performance of heat pipe with suspended nano-particles. <i>Heat and Mass Transfer</i> , 2012, 48, 1913-1920.	1.2	16
22	Effect of copper-graphene hybrid nanoplatelets in a miniature loop heat pipe. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 5985-5999.	2.0	14
23	Research progress on performance enhancement of heat pipes: a review. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2847-2883.	2.0	13
24	Effect of magnetic field on the thermophysical properties of low-density ferrofluid with disk-shaped MgFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126083.	2.3	11
25	Effect of thin porous copper coating on the performance of wickless heat pipe with R134a as working fluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 963-973.	2.0	9
26	Characterization of magnesium ferrite nanofluids for heat transfer applications. <i>Materials Today: Proceedings</i> , 2020, 27, 107-110.	0.9	9
27	Heat transfer properties of HFE and R134a based Al <sub>2</sub> O <sub>3</sub> nano refrigerant in thermosyphon for enhancing the heat transfer. <i>Materials Today: Proceedings</i> , 2020, 27, 268-274.	0.9	7
28	EFFECT OF NUMBER OF TURNS ON THE TEMPERATURE PULSATIONS AND CORRESPONDING THERMAL PERFORMANCE OF PULSATING HEAT PIPE. <i>Journal of Enhanced Heat Transfer</i> , 2013, 20, 443-452.	0.5	7
29	Experimental Study of Thermal Energy Storage Characteristics using Heat Pipe with Nano-Enhanced Phase Change Materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 225, 012058.	0.3	6
30	Characterization of flat miniature loop heat pipe using water and methanol at different inclinations. <i>Experimental Heat Transfer</i> , 2020, , 1-23.	2.3	6
31	Experimental studies on thermosyphon using low global warming potential refrigerant HFE7000 and nanorefrigerant HFE7000/Al <sub>2</sub> O <sub>3</sub> . <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 707-717.	1.4	6
32	U-drill embedded with phase change heat transfer device for machining applications. <i>Case Studies in Thermal Engineering</i> , 2019, 15, 100533.	2.8	5
33	Heat transfer characteristics and flow visualization of anodized flat thermosiphon. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2020, 234, 182-192.	1.4	4
34	Experimental investigation on the critical heat flux of Cu-water, Al-water nanofluids for precise cooling of electronic systems. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 561, 012036.	0.3	3
35	Performance study of flat heat pipe with metallic copper hierarchical structure as a wick. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 872, 012079.	0.3	2
36	Comparative study on the heat transfer performance of micro-grooved anodized thermosyphon with R134a, R600a and R717 for low-temperature applications. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 5213-5223.	0.7	2

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37	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
38	Experimental studies of rotating heat pipes. Heat Transfer - Asian Research, 2009, 38, 475-484.	2.8	1
39	Effect of Temperature on the Surface Characteristics of Anodized Aluminium Tubes. Lecture Notes in Mechanical Engineering, 2021, , 591-600.	0.3	0
40	Experimental investigation of a two-phase closed thermosyphon with Al <sub>2</sub> O <sub>3</sub> /R134a nanorefrigerant. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024, 238, 56-66.	1.4	0