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List of Publications:

1. Brusly Solomon, R. Roshan, Walter Vincent, V. K. Karthikeyan, L. Godson Asirvatham, Heat transfer performance of an anodized two-phase closed thermosyphon with refrigerant as working fluid, International Journal of Heat and Mass Transfer, Vol. 82, 2015, pp. 521-529
2. V. K. Karthikeyan, K. Ramachandran, B. C. Pillai, A. Brusly Solomon, Understanding thermo-fluidic characteristics of a glass tube closed loop pulsating heat pipe: flow patterns and fluid oscillations, Heat Mass Transfer, Vol.51(12) (2015), pp. 1669-1680.
3. R. Renjith Singh, V. Selladurai, P.K. Ponkarthik, A. Brusly Solomon, Effect of anodization on the heat transfer performance of flat thermosyphon, Experimental Thermal and Fluid Science, Vol. 68 (2015), pp. 574–581.
4. R. Renjith Singh, V. Selladurai, A. Brusly Solomon, S. Emerald Ninolin, Performance of Flat Two Phase Closed Thermosyphon with Porous Surface, International Journal of Applied Engineering Research, Vol. 10 (85), ISSN-0973-4562.
5. Brusly Solomon, M. Sekar and S-H. Yang, Analytical expression for thermal conductivity of heat pipe, Applied Thermal Engineering, Vol. 100 (2016), pp. 462-467.
6. Brusly Solomon, A. M. Ram Kumar, K. Ramachandran, B. C. Pillai , C. Senthil Kumar, Mohsen Sharifpur, Josua P. Meyer, Characterisation of a grooved heat pipe with an anodised surface, Heat and Mass Transfer, Vol. 53(3) (2017) pp. 753-763.

7. Jogi Krishna, P.S. Kishore, A. Brusly Solomon, Heat pipe with Nano enhanced-PCM for electronic cooling application, *Experimental Thermal and Fluid Science*, Vol. 81 (2017), pp. 84-92.
8. Brusly Solomon, V. Arul Daniel, K. Ramachandran, B.C. Pillai, R. Renjith Singh, M. Sharifpur, J.P. Meyer, Performance enhancement of a two-phase closed thermosiphon with a thin porous copper coating, *International Communications in Heat and Mass Transfer*, Vol. 82, 2017, pp. 9-19.
9. Brusly Solomon, M. Sharifpur, Tanja Ottermann, Carla Grobler, Michael Joubert and Josua P. Meyer, Natural convection enhancement in a porous cavity with Al₂O₃-Ethylene glycol/water nanofluids, *International Journal of Heat and Mass Transfer*, Vol. 108, Part B, (2017), pp. 1324-1334.
10. Brusly Solomon, H. Gavisiddayya, K. Ramachandran, Pavan K. Sharma and B.C. Pillai, Development of a heat flux sensor Based on Heat Pipe as Thermal Sink, *Heat Pipe Science and Technology an International Journal*, Vol.5, Issue 1-4, pp.655-662.
11. J.C. Joubert, M. Sharifpur, A. Brusly Solomon, J. P. Meyer, 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* , Vol. 443,(2017), pp. 149-153.
12. Brusly Solomon, Josh van Rooyen, Martin Rencken, M. Sharifpur, Josua P. Meyer, Experimental study on the influence of the aspect ratio of square cavity on natural convection heat transfer with Al₂O₃/Water nanofluids, *International Communications in Heat and Mass Transfer*, Volume 88 (2017), pp. 254-261.
13. Jogi Krishna, P.S. Kishore, A. Brusly Solomon, Experimental and Numerical Investigations on Al₂O₃ – Tricosane based Heat Pipe, *Thermal Energy Storage*, *International Journal of Engineering*, Volume 36 (6) (2018), pp.980-985.
14. Mohsen Sharifpur, A. Brusly Solomon, Tanja Linda Ottermann and Josua P. Meyer, Optimum concentration of nanofluids for heat transfer enhancement under natural convection with TiO₂ – water mixture, *International Communications in Heat and Mass Transfer*, Volume 98 (2018), pp. 297-303.
15. Emerald Ninolin Stephen, Lazarus Godson Asirvatham, Ramachandran Kandasamy, Brusly Solomon, Gnana Sundari Kondru, Heat transfer performance of a compact loop heat pipe with alumina and silver nanofluid, A comparative study, *Journal of Thermal Analysis and Calorimetry*, Volume 136 (2019), pp. 211–222.
16. Senthil kumar Chandrasekaran, Krishnan A.S., A. Brusly Solomon, Effect of thin-porous copper coating on the performance of wickless heat pipe with R134a as

working fluid, Journal of Thermal Analysis and Calorimetry, <https://doi.org/10.1007/s10973-019-08176-x>.

17. I. Kantharaj, M. Sekar, A. Brusly Solomon, Nallapaneni Manoj Kumar, Kalakanda Alfred Sunny, U-drill embedded with phase change heat transfer device for machining applications, Case Studies in Thermal Engineering, Available online 11 September 2019, Article 100533.
18. S Anand, C P Jawahar, A Brusly Solomon, Varghese Benson, Ashie Alan K, K P Vignesh Nair, V Abraham Alan, 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, <https://doi.org/10.1177/0954408919896690>
19. A. Brusly Solomon, Akhilesh Kumar Mahto, R. Catherine Joy, Albert Rajan Dubey Abhishek Jayprakash, Abhinav Dixit, Abhinav Sahay, Application of bio-wick in Compact Loop Heat Pipe, Applied Thermal Engineering, Volume 169, 25 March 2020, 114927
20. Allen Varughese, A. Brusly Solomon, Benny Raj, Mohsen Sharifpur, Josua P Meyer, Heat transfer characteristics and flow visualization of anodized flat thermosiphon, Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Vol 234, Issue 2, 2020.
21. S. Sivakumar, C. Velmurugan, D.S. Ebenezer Jacob Dhas, A. Brusly Solomon, K. Leo Dev Wins, Effect of nano cupric oxide coating on the forced convection performance of a mixed-mode flat plate solar dryer, Renewable Energy, Vol. 155 (2020), pp. 1165-1172
22. S Veeramachaneni, SK Pisipaty, DR Vedula, AB Solomon, Characterization of flat miniature loop heat pipe using water and methanol at different inclinations, Experimental Heat Transfer, 1-23
23. RS Anand, CP Jawahar, AB Solomon, E Bellos, A review of experimental studies on cylindrical two-phase closed thermosyphon using refrigerant for low-temperature applications, International Journal of Refrigeration