

Chapter 4

Application of Heat Pipe in Industry

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The following references should be listed at the Reference Section of Chapter 4. These are references are cited throughout the content of Chapter 4, and recognition of their material is noted in this errata.

Additional References

38. Z. Liu, Z. Wang, C. Ma, An experimental study on heat transfer characteristics of heat pipe heat exchanger with latent heat storage. Part I: Charging only and discharging only modes, *Energy Conversion and Management*, 47(7-8) (2006) 944-966.
39. Z. Liu, Z. Wang, C. Ma, An experimental study on the heat transfer characteristics of a heat pipe heat exchanger with latent heat storage. Part II: Simultaneous charging/discharging modes, *Energy Conversion and Management*, 47(7-8) (2006) 967-991.
40. N. Sharifi, S. Wang, T.L. Bergman, A. Faghri, Heat pipe-assisted melting of a phase change material, *International Journal of Heat and Mass Transfer*, 55(13-14) (2012) 3458-3469.
41. N. Sharifi, T.L. Bergman, M.J. Allen, A. Faghri, Melting and solidification enhancement using a combined heat pipe, foil approach, *International Journal of Heat and Mass Transfer*, 78 (2014) 930-941.
42. Z. h. Liu, B.-c. Zheng, Q. Wang, S.-S. Li, Study on the thermal storage performance of a gravity-assisted heat-pipe thermal storage unit with granular high-temperature phase-change materials, *Energy*, 81 (2015) 754-765.
43. B. w. Hu, Q. Wang, Z.-H. Liu, Fundamental research on the gravity assisted heat pipe thermal storage unit (GAHP-TSU) with porous phase change materials (PCMs) for medium temperature applications, *Energy Conversion and Management*, 89 (2015) 376-386.
44. S. Tiari, S. Qiu, M. Mahdavi, Numerical study of finned heat pipe-assisted thermal energy storage system with high temperature phase change material, *Energy Conversion and Management*, 89(0) (2015) 833-842.

45. S. Tiari, S. Qiu, M. Mahdavi, Charging and Discharging Process of a High Temperature Latent Heat Thermal Energy Storage System Assisted by Heat Pipe, in: ASME Power & Energy 2015 - ASME 2015 9th International Conference on Energy Sustainability, San Diego, California, USA, 2015.
46. S. Tiari, S. Qiu, Three-dimensional simulation of high temperature latent heat thermal energy storage system assisted by finned heat pipes, *Energy Conversion and Management*, 105 (2015) 260-271.
47. C.W. Robak, T.L. Bergman, A. Faghri, Enhancement of latent heat energy storage using embedded heat pipes, *International Journal of Heat and Mass Transfer*, 54(15-16) (2011) 3476-3484.
48. K. Nithyanandam, R. Pitchumani, Analysis and optimization of a latent thermal energy storage system with embedded heat pipes, *International Journal of Heat and Mass Transfer*, 54(21-22) (2011) 4596-4610.
49. K. Nithyanandam, R. Pitchumani, Computational studies on a latent thermal energy storage system with integral heat pipes for concentrating solar power, *Applied Energy*, 103 (2013) 400-415.
50. K. Nithyanandam, R. Pitchumani, Design of a latent thermal energy storage system with embedded heat pipes, *Applied Energy*, 126 (2014) 266-280.
51. A. Khalifa, L. Tan, A. Date, A. Akbarzadeh, Performance of suspended finned heat pipes in high-temperature latent heat thermal energy storage, *Applied Thermal Engineering*, 81 (2015) 242-252.
52. S. Qiu, R. Galbraith, M. White, Phase change material thermal energy storage system design and optimization, in: ASME 2013 7th International Conference on Energy Sustainability, Minneapolis, Minnesota, USA, 2013.
53. M. Mahdavi, S. Qiu, Mathematical modeling and analysis of steady state performance of a heat pipe network, *Applied Thermal Engineering*, 91 (2015) 556-573.
54. M. Mahdavi, S. Qiu, S. Tiari, Numerical investigation of hydrodynamics and thermal performance of a specially configured heat pipe for high-temperature thermal energy storage systems, *Applied Thermal Engineering*, 81 (2015) 325-337.
55. M. Mahdavi, S. Qiu, Numerical Analysis and Optimization of a Complex Geometry, High Temperature Heat Pipe, First Thermal and Fluid Engineering Summer Conference, TFESC, New York City, USA, (2015).
56. M. Mahdavi, S. Tiari, S. Qiu, Numerical Investigation of the effect of adiabatic section location on thermal performance of a heat pipe network with the application in thermal energy storage systems, *Bulletin of the American Physical Society* 60 (2015).
57. C.E. Andraka, K.S. Rawlinson, N.P. Siegel, Technical Feasibility of Storage on Large Dish Stirling Systems, Sandia National Laboratories, Albuquerque, NM, USA, 2012.
58. H. Shabgard, A. Faghri, T.L. Bergman, C.E. Andraka, Numerical simulation of heat pipe-assisted latent heat thermal energy storage unit for dish-Stirling systems, *Journal of Solar Energy Engineering*, 136(2) (2013) 021025-021025.
59. D.J. Malan, R.T. Dobson, F. Dinter, Solar Thermal Energy Storage in Power Generation Using Phase Change Material with Heat Pipes and Fins to Enhance Heat Transfer, *Energy Procedia*, 69 (2015) 925-936.
60. M.S. Naghavi, K.S. Ong, I.A. Badruddin, M. Mehrali, M. Silakhori, H.S.C. Metselaar, Theoretical model of an evacuated tube heat pipe solar collector integrated with phase change material, *Energy*, 91 (2015) 911-924.