

DC MEMBER

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List of Publications (Recent):

1. Thermodynamic analysis of cooling and heating systems for energy recovery, International Journal of Refrigeration, 2020.
2. Integrated polygeneration system for coastal areas, Thermal Science and Engineering Progress, 20 (2020), pp. 100739.
3. Performance analysis of a dual component generator-condenser of an absorption heat transformer for water desalination, Thermal Science and Engineering Progress, 20 (2020), pp. 100651.
4. Photovoltaic Module with Uniform Water Flow on Top Surface, 2020 (2020), pp. 9.,
5. Modelling of scroll expander for different working fluids for low capacity power generation, Applied Thermal Engineering, 159 (2019), pp. 113932.
6. Simulation studies on simultaneous power, cooling and purified water production using vapour absorption refrigeration system, Applied Thermal Engineering, 132 (2018), pp. 296-307.
7. Interaction analysis of a concentric component evaporator absorber for an absorption heat transformer, Applied Thermal Engineering, 140 (2018), pp. 415-421.
8. Drying and energy aspects of tapioca sago processing-an experimental field study, Journal of Mechanical Science and Technology, 31 (2017), pp. 3035-3042.
9. Experimental investigations on shell and helical coil solution heat exchanger in NH₃-H₂O vapour absorption refrigeration system (VAR), International Communications in Heat and Mass Transfer, 87 (2017), pp. 6-13.
10. Experimental studies on combined cooling and power system driven by low-grade heat sources, Energy, 128 (2017), pp. 801-812.

11. Fluidized bed drying of some agro products—A review, *Renewable and Sustainable Energy Reviews*, 61 (2016), pp. 280-301.
12. Performance study of a solar absorption power-cooling system, *Applied Thermal Engineering*, 97 (2016), pp. 59-67.
13. Studies on combined cooling and drying of agro products using air cooled internal heat recovered vapour absorption system, *Applied Thermal Engineering*, 97 (2016), pp. 100-108.
14. An experimental analysis on tar cracking using nano structured Ni-Co/Si-P catalyst in a biomass gasifier-based power generating system, *Applied Thermal Engineering*, 97 (2016), pp. 13-21.
15. Studies on combined power and cooling based on rectifier integrated ammonia-water absorption cycle, *Extended Abstracts*, 2016, pp.81.
16. Cascaded energy plant using ammonia absorption refrigeration system for combined cooling and heating applications, *Science and Technology for the Built Environment*, 21 (2015), pp. 290-299.