

# DESIGN AND PERFORMANCE SIMULATION OF NEW SOLAR CONTINUOUS SOLID ADSORPTION REFRIGERATION AND HEATING HYBRID SYSTEM

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## ABSTRACT

*In this paper, the design of a new continuous solid adsorption refrigeration and heating hybrid system driven by solar energy was presented, and its performance simulation and analysis were made under the normal working conditions. Some performance parameters of the system were obtained, and the effects of water mass in water tank on the system's  $COP_{cooling}$ ,  $COP_{heating}$  etc. were discussed.*

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