

This study proposes a novel hybrid solar-gas power and hydrogen-production system, which is comprised by the solar tower thermal system, gas-steam turbine combined cycle and organic ...

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State-of-the-art progress for near room temperature cooling and power generation applications based on Mg₃(Bi,Sb)₂ system have been summarized and discussed.

This study proposes a novel hybrid solar-gas power and hydrogen-production system, which is comprised by the solar tower thermal system, gas-steam turbine combined cycle and organic Rankine...

I'm currently a Postdoctoral Associate in the Dept. of Electrical and Computer Engineering at the Univ. of Minnesota, working with Prof. Georgios B. Giannakis, where I obtained a Ph.D. degree in 2018.

The solar thermal energy storage plant has an installed capacity of 100MW, and for the first time uses the innovative configuration of "two heat absorbing towers + a set of steam turbine...

Qiuling Yang, Alireza Sadeghi, Gang Wang, Georgios B. Giannakis, and Jian Sun and distributed generation is challenging residential distribution systems. This context, motivates well fast, efficient, and ...

In this paper a novel dual-PCM TES structure filled with inorganic salts and metal alloy as the PCMs is proposed.

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