

Title: Romanian high temperature solar system

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The study presents a mathematical investigation on the potential to provide electricity of different solar Organic Rankine Cycle systems and of a photovoltaic system. As input data for all the systems, were ...

The development of durable particle-based high-temperature solar receivers is critical for advancing concentrating solar-thermal (CST) technologies to enable high-efficiency power ...

The proposed methodology is tested by referring to the solar ORC system configuration of the Ottana solar facility.

The complex system presented and analyzed in the paper refers to a platform that integrates technologies for renewable energy production from water, wind and Su

Possible mechanisms for the solar influence on climate at regional scale are proposed. Higher temperature during high sun in northeastern Romania are observed. The influence of solar ...

The climate of Romania is continental, transitioning into humid subtropical (locally often "warm oceanic" or "Pontic") on the eastern coast, influenced by polar ...

The study carried out by simulation, concerns the thermal behavior of an office building's solar fresh air cooling system, based on a LiBr-H₂O absorption chiller in different climatic conditions.

A solar reactor design methodology utilizing elliptical bifocal optical properties is proposed to address severe temperature non-uniformity caused by uneven flux distribution in high-temperature solar ...

This page offers a comprehensive overview of Romania's climate zones of temperature and precipitation with reflection of their climatological seasonal cycle, drawing on the Köppen-Geiger classification ...

Since its establishment, the Heliostat Consortium (HelioCon) has made substantial progress toward closing



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many of the gaps in concentrating solar power (CSP) research. Numerous techno-economic ...

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