

Solar still is the earliest solar desalination technology, and the efforts to boost its performance has lasted for decades. On-going studies focus on improving the energy efficiency and productivity. Yeang et al. developed a four-stage solar distiller system integrated with the Fresnel lens. The multi-stage configuration enables condensation ...

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This editorial is based on "Solar energy: For Amrit Kaal in agriculture" which was published in The Indian Express on 22/08/2022. It talks about boundless potential of Solar Energy in India's Agriculture Sector.

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The Official Journal of the International Solar Energy Society[®]; Solar Energy, the official journal of the International Solar Energy Society[®];, is devoted exclusively to the science and technology of solar energy applications. ISES is an UN-accredited membership-based NGO founded in 1954.

Nowadays, the most matured thermal energy storage (TES) technology for Concentrated Solar Power (CSP) plants is the use of molten solar salts (60 wt% NaNO₃ - 40 wt% KNO₃), but the thermal ...

Prof. Dr. Werner Platzer, PhD. Fraunhofer Institute for Solar Energy Systems ISE, Freiburg, Germany. Solar thermal energy systems and components, Facade technology and energy efficiency in buildings, Concentrating solar thermal technology for industrial process heat and power, Optical design and materials, Optical and performance testing, Performance simulation ...

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Part of an innovative journal, this section covers direct energy conversion technologies, materials and device science necessary for large-scale deployment of cost-effective solar technologies.

Gleaner editorial writes: ... the global call to switch from fossil fuels to renewable energy is being answered as more countries explore the use of geothermal, hydro, wind and solar energy. A project to install solar lights in some 30 rural St Andrew communities sounds like a common-sense plan which could put Jamaica along the path to ...

Greg P. Smestad has served as an editor for Solar Energy Materials and Solar Cells since its inception in 1990 through August 2016. This farewell editorial outlines the story of the journal from Dr. Smestad's perspective and his role in its early development.

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Solar energy, as the most important source of renewable energy, features the characteristics of clean, renewable, inexhaustible, and widely distributed energy, relative to other kinds of energy sources. Solar energy systems can now generate electricity at a cost equal to or lower than local grid-supplied electricity [2]. More importantly, solar ...

Guest editorial Guest Editorial: Solar Energy Utilization Jiaguo Yu,* Kai Dai,* and Chuanbiao Bie* DOI: 10.1002/adsu.202200478 In article number 2200364, Liu and colleagues reported ... Photocatalysis can utilize solar energy to decompose water to produce hydrogen, reduce carbon dioxide to synthesize solar fuel, and degrade pollutants to purify ...

The estimate, from Ember, a London-based energy think tank, is meant to highlight the surge of solar power in recent years - and its massive potential in the years ahead. For the full month of ...

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Solar Energy, the official journal of the International Solar Energy Society¹⁷⁴;, is devoted exclusively to the science and technology of solar energy applications. ISES is an UN-accredited membership-based NGO founded in 1954. For over 60 ... Abdelkrim Khelifa, ... Mohammed El Hadi Attia Evripides Kyriakides, ... John Giapintzakis Minhaz Mahmood, ...

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6th International Conference and Exhibition on Solar Energy (ICESE-2024) 2024-05-24; Free International Webinar: Solar Energy Outlook 2023-10-06; Congratulations on accepting the Journal of Solar Energy Research (JSER) in Scopus! ...

Solar Energy welcomes manuscripts presenting information not previously published in journals on any aspect of solar energy research, development, application, measurement or policy. The term 'solar energy' in this context includes the indirect uses such as wind energy and biomass.

Solar energy is the most important renewable energy on Earth. However, low energy density and intermittency limit its practical application. Photocatalysis has broad application prospects in solar energy utilization.

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