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Investment in emerging renewable energy technologies is essential if the global energy sector is to transition from fossil-based toward zero-carbon by the second half of this century, limiting the impacts of climate change. 1 Many of these emerging technologies are based on a resource that surrounds us--the ocean.

Although there are many forms of ocean energy ...

4 days ago#0183; She is an associate editor for Renewable & Sustainable Energy Reviews, Singapore Economic Review and the International Journal of Economics and Management. He is also an ...

The Journal of Renewable and Sustainable Energy (JRSE) is an interdisciplinary, peer-reviewed journal covering discovery, generation, conversion and end-use of renewable and sustainable energy (RSE) relevant to the physical science and engineering communities. Specifically, JRSE focuses on new insights or creative methodologies that addresses the challenges of ...

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The U.S. Energy Information Administration (EIA) defines a total of nine main energy sources [8], which all compete against each other and jointly define the energy sector's sustainability impact. Yet, the sustainability and especially the sustainable supply chain management (SSCM) literature is investigating the energy sources in silos [9, 10] rather than ...

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4188 M.T. Ali et al. / Renewable and Sustainable Energy Reviews 15 (2011) 4187-4199 Fig. 1. Pilot tested solar desalination technologies. a seasonal match in water demand and solar resource appears to be a good source of environmentally-friendly energy for desalination. Solar energy can be harvested directly in the form of electrical

Materials for Renewable and Sustainable Energy is an open access journal, focusing on research for renewable and sustainable energy technologies.. Topics include renewable energy storage and conversion, energy saving, and more. Indexed in the Web of Science's ESCI, Scopus, SCImago, DOAJ, and EI Compendex among other databases.

The remainder of the paper is sectioned into five: Section 2 discusses renewable energy sources and sustainability and climate change, Section 3 elaborates on the various renewable energy sources and technologies, Section 4 elaborates on the renewable energy sources and sustainable development, Section 5 elaborates on challenges affecting ...

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