

New policy directions for solar container engineering and science

Development of a container box equipped with solar panels can also be considered, with no restrictions on loading and unloading processes. However, the solar container box must be located on at some ...

When the sunlight reaches the earth's surface, this energy could be harnessed by the installation of solar technology such as solar photovoltaic (PV) panel that converts solar energy into ...

As a powerful potential lever on global temperatures, solar geoengineering--or solar radiation modification (SRM)--comes with formidable environmental and political risks. Assessments ...

The report on German maritime sector [120] emphasizes the importance of renewable energy, especially onshore wind energy, solar energy and geo-thermal energy, for German ports. In ...

In addition, this research has several strategic policy implications that can be considered by port authorities, operators, and policymakers to improve the sustainability and energy ...

The current development status of the solar container is a subject of considerable interest and holds crucial insights into the potential it holds for the global energy sector. Currently, on ...

The global warming is forcing us to assess the specific environmental impact of all our industrial activities without which we could not imagine our existence anymore. Energy and heat production, ...

The summary of the utilization of new energy sources in ships is not enough. In this article, the current progresses made on ship power systems integrated with solar energy, wind ...

This is mirrored by a dearth of national programs and governance. The limited policy landscape provides an opportunity for new social science research to inform the design of institutions, ...

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Abstract: New digital Industry 4.0 solutions and smart applications are being adopted in many industries, also in the most advanced ports in the world. Still, it is not clear in which directions digitalization in ...

These automated ports provide good foundations for the application and verification of new smart technologies on container ports. Therefore, leading smart port research in the future is ...

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New Research Directions in Solar Energy Technologies (Energy, Environment, and Sustainability) [Tyagi, Himanshu, Chakraborty, Prodyut R., Powar, Satvasheel, Agarwal, Avinash K.] ...

In recent times, nanoscale science and engineering have revolutionized water treatment methodologies. Nanotechnology's modular and multifunctional attributes offer the potential for high ...

To address these gaps, we examine how European policy actions aimed at building a local solar PV supply chain affect global trade flows and quantify the associated environmental and ...

New directions in solar geoengineering research Our study considers climate intervention via stratospheric aerosol injection of solid particles, which could reduce adverse side-effects compared to ...

The technologies and challenges in utilizing solar energy for shipping are analyzed, trends in solar energy for maritime transport are discussed, and future research directions for the use ...

New portable solar power plants make it easier than ever to go off-grid. An entire plant of solar panels can be folded into a single shipping container. The power plant is easily deployed - and folded up again when it ...



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