

Journal for renewable energy





Journal for renewable energy



Optimizing renewable energy systems through artificial ...

Renewable energy systems (RES) have become more reliable, efficient, and sustainable when artificial intelligence (AI) techniques are included. In recent years, a burgeoning body of literature has explored the potential of AI-driven optimization methods to

[Journal of Renewable Energy: Vol 2024, No 1](#)

A Review on the Recent Advances in Battery Development and Energy Storage Technologies. George G. Njema, Russel Ben O. Ouma, Joshua K. Kibet. 2329261. First Published: 08 May 2024. Abstract. Full text. PDF. ...



Renewable Energy Research and Applications - DOAJ

A peer-reviewed, open access journal in biofuels, biomass energy, geothermal energy, hydropower, wind power & solar energy. Renewable Energy Research and Applications RERA 2717-252X (Print) / 2676-7430 ISSN Portal

Machine learning for a sustainable energy future

Transitioning from fossil fuels to renewable energy sources is a critical global challenge; it demands advances -- at the materials, devices and systems levels -- for the efficient harvesting



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Is renewable energy sustainable? Potential relationships between

Achieving net zero carbon emissions is the holy grail of climate change policies, with the transition to renewable energy sources often considered the hero in this quest. While the need to



Renewable energy

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Insights

The journal, Renewable Energy, seeks to promote and disseminate knowledge on the various topics and technologies of renewable energy systems and components. The journal aims to serve researchers, engineers, economists, manufacturers, NGOs, associations and societies to help them keep abreast of ...



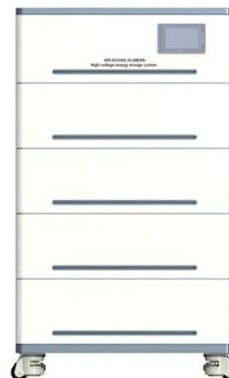
Renewable Energy Focus , Journal , ScienceDirect by Elsevier

Renewable Energy Focus seeks to deliver high-value insights across the energy value chain through integrative, comprehensive, and leading-edge research - covering high ...



Renewable energy

Renewable energy is energy that comes from sources that are readily replenishable on short-timescales. Examples of these are solar radiation, wind, and biomass. Fibre-reinforced epoxy-amine resins



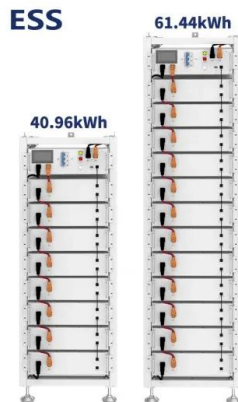
Energy

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Journal of Renewable and Sustainable Energy , AIP Publishing

The Journal of Renewable and Sustainable Energy is an interdisciplinary journal covering specific areas of renewable and sustainable energy relevant to the physical science and engineering ...



Renewable Energies

Renewable Energies is a scientific journal whose main goal is to be a reference for publishing the more recent advances in renewable energies, including solar photovoltaic, solar thermal, wind, hydraulic, biomass, geothermal, biogas, and oceanic energy. The

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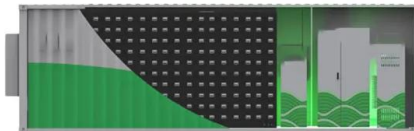
JRSE

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.



The role of renewable energy in the global energy transformation

Predicting the timing and the extent of energy transitions is not straightforward. The age of nuclear [13] and the age of hydrogen [14] were "announced" but have not yet come to pass. Recent examples of other projections that have not proven accurate include inflated



A review on environmental impacts of renewable energy for ...

Pursuing sustainable development in the face of climate change and environmental degradation has led to a significant shift toward renewable energy sources. A dependable, affordable, and stable renewable energy source must meet almost any future energy need. This review explores the environmental impacts of various forms of renewable energy, ...

Journal of Renewable Energy

Journal of Renewable Energy Volume 2024, Issue 1 2329261 Review Article Open Access A Review on the Recent Advances in Battery Development and Energy Storage Technologies George G. Njema, George G. Njema



Regulatory Imperatives for Renewable Energy: South African ...

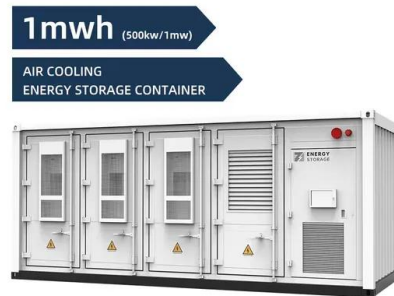
INTRODUCTION The entrenchment of conventional fossil fuels was accomplished by a legal system that legitimized and perpetuated their domination. Footnote 1 In order to dislodge that status quo, energy law and current reforms to encourage renewable energy in South Africa are not articulated within a nuanced regulatory theoretical foundation. . Targeted legal



regulation ...

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Renewable Energy

Renewable energy sources are growing quickly and will play a vital role in tackling climate change. Share of primary energy that comes from hydropowerThis interactive chart shows the share of primary energy that comes from hydropower.Note that this data is



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Finance for renewable energy: an empirical analysis of ...

Finance for renewable energy: an empirical analysis of developing and transition economies - Volume 15 Issue 3 Sathaye, Jayant Lucon, Oswaldo Rahman, Atiq Christensen, John Denton, Fatima Fujino, Junichi Heath, Garvin Mirza, Monirul Rudnick, Hugh Schlaepfer, August Shmakin, Andrey Angerer, Gerhard Bauer, Christian Bazilian, Morgan Brecha, Robert Burgherr, Peter ...



A comprehensive study of renewable energy sources: ...

Fig. 3 shows the total renewable energy usage for electricity generation from 2010 to 2020 [12]. According to IEA's global energy review in 2021, total renewable energy usage has shown a significant increment, from 4,098 TWh in 2010 to 7,627 TWh in 2020.



Framing renewable energy

Although research has demonstrated how framing can influence support for various renewable energy sources, few studies have evaluated the persistence, or duration, of these issue-framing effects

Renewable and Sustainable Energy Reviews , Journal

The journal considers articles on the following themes, provided the link to renewable and sustainable energy is clear and thoroughly examined: Energy resources - bioresources (e.g. biomass, waste), fossil fuels (including natural gas), geothermal, hydrogen





Full article: A review of renewable energy sources, sustainability

2.1. Renewable energy and climate change
Presently, the term "climate change" is of great interest to the world at large, scientific as well as political discussions. Climate has been changing since the beginning of creation, but what is alarming is the speed of



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