

The growing interest in hydrogen as an alternative fuel has stimulated research into methods that enable the global shift to sustainable, green energy. One promising pathway is the production ...

The second edition of Green Energy Expo - Romenvirotec brought together over 8,800 professional visitors interested in solutions for energy transition, environmental protection, and the development of sustainable cities.

Clean energy includes energy generation with ultra-low carbon and greenhouse gas emissions, which is a broader category than renewable energy. Some types of clean energy may not always be entirely green, as an energy source is only ...

Green Energy: Japan looking to pond water for bio-fuel The United Nations Climate Change conference is being held in the German city of Bonn. Participants are calling for focused discussions on pre-2020 actions. As one of ...

The MSCI Global Environment Indexes aim to identify companies whose products or services seek to increase economic sustainability through the efficient use of global natural resources. They are designed to maximize their ...

(Reuters) -Australia's Fortescue on Thursday posted record fourth-quarter production that helped the miner meet the top end of its full-year guidance, and said it would scrap its U.S. and ...

We challenge architects, property developers, urban planners, renewable energy professionals and green building specialists. We also challenge the funding houses and regulators and the ...

Water utilities must deliver uninterrupted service, meet stringent environmental regulations, plan for population growth, and prepare for climate resilience. Energy optimization plays a key role ...

The Deputy Minister of Electricity and Energy, Samantha Graham-Mar#233;, has announced that over 7 000 public and private buildings have registered for an Energy Performance Certificate ...

Water-energy nexus Despite mounting environmental concerns, data centre siting in Southeast Asia continues to prioritise land availability, tax incentives and low-cost electricity -- often at ...

Located 41km east of Kashgar, the first phase (500 MW/ 2 GWh) of a mega-battery project of 1 GW/4 GWh has been commissioned by Huadian Xinjiang Kashgar in China. Comprising of ...



## Green energy water

The idea of using sunlight to split water and create fuel--known as artificial photosynthesis --has been a dream for decades. The goal is to build solar energy systems that not only generate ...

A breakthrough in clean energy could unlock affordable, industrial-scale green hydrogen. For the first time, scientists have determined how to scale up decoupled water electrolysis, a technique that produces green hydrogen ...

Abstract Nowadays sustainable energy solutions have a future of their own in the field of industrial design; in particular, the increasing relevance of water energy for green manufacturing.

The combination of solar water evaporation and hydrovoltaic effect (HVE) provides an effective way to solve the crisis of water shortage and fossil fuel pollution. However, they are still facing ...



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