HKU Solar Power Generation

"It has implications for electric vehicles, but its other potential applications are beyond our imagination." One important application is to create green energy, such as solar and wind power, ...

The Laboratory for Photovoltaic Research at HKU focuses on lowering the cost and improving the efficiency of solar cells through innovative research from a broad perspective, including advanced ...

To this end, this thesis aims to propose a framework for the modelling of strategic behaviors of CSP generation in electricity markets. The impact of strategic CSP generation on market equilibrium and ...

A research team led by Professor Dong-Myeong Shin from the Department of Mechanical Engineering at the University of Hong Kong (HKU) has developed a novel moisture-activated electricity generator ...

A team of researchers led by Professor Philip C.Y. Chow from the Department of Mechanical Engineering at the University of Hong Kong (HKU) has made a significant breakthrough ...

Over the past five years, its efficiency in converting solar energy into electricity has improved significantly, from around 10% to over 20%. This progress is largely attributed to the ...

ReGen Technology specializes in solar-powered desalination and land regeneration solutions. Our mission is to empower communities with affordable, sustainable tools to combat water ...

In the design of future power systems utilizing clean energies, the dynamically changing nature of wind and solar power is expected to cause imbalance between power generation and demand, resulting in ...

Renewable energy sources such as hydropower, wind, solar, and biomass are important technology options for reducing green-house gas emissions and local air pollutants associated with the burning ...

Web: https://klconsulting.co.za