Science and Technology Innovation Edition ranks third in the world in photovoltaic energy storage

(A) STLES can float and extract lithium from brines at scale using only ambient sunlight as the source of energy. PV, photovoltaic array. (B) The operating principle of STLES involves solar-driven transpiration, which ...

Under the background of global energy transformation and structural upgrading, the development of solar photovoltaic industry in various countries has been paid attention to, ...

Renewable Energy Storage Energy storage is critical to the transition of renewable energy. Energy storage solutions must address fluctuation of distributed power sources, enhance the ...

Collaborations and co-creations within the "Holy Triangle of Science, Technology and Industry" have been governing the unprecedented progress in each and every part of the value chain of ...

The "R& D for high-performance PV generation systems for the future" and "R& D on innovative solar cells" were initiated in 2009; these plans aimed to make a breakthrough in ...

Rigorous tracking of public- and private-sector investment on energy technology innovation is vital to better identify gaps and opportunities to enhance the efficiency of resource allocation. ...

The current area of interest of Dr Alami is the synthesis and characterization of mesoporous materials for third generation photovoltaic solar cells, solar thermal energy utilization and ...