

Guohua Liu currently works at North China Electric Power University. Their current project is "Solar energy harvesting and conversion". ... Converting solar energy into chemical fuel using an all ...

Pingrui Huang's 10 research works with 113 citations and 4,221 reads, including: A morphology optimization of enclosure shape of low melting point alloy-based PCM heat sink

This paper studies a novel tower solar aided coal-fired power generation (TSACPG) system with thermal energy storage (TES) system to realize the high-grade solar energy cascade ...

Ziyi Lu's 9 research works with 51 citations and 227 reads, including: Energy, exergy, environmental and economic performance analysis and optimization of a novel CCHP system ...

North China Electric Power University ... Hybrid energy storage system (HESS) is an integral part of DC microgrid as it improves power quality and helps maintain balance between energy ...

Education, North China Electric Power University, Beijing 102206, China ... energy, concentrating solar power (CSP) has the key advantage that, combined with thermal energy (heat) storage ...

North China Electric Power University ... Hybrid energy storage system (HESS) is an integral part of DC microgrid as it improves power quality and helps maintain balance between energy supply and ...

Chao Xu's research while affiliated with North China Electric Power University and other places. ... Large-scale water pit thermal energy storage (PTES) promotes solar district heating (SDH) ...

?Professor of Electrical Engineering, Director of SENIOR, North China Electric Power University? - ??Cited by 9,485?? - ?Smart Grid? - ?Renewable Energy? - ?Power Forecasting? - ?Electricity Market? - ...

North China Electric Power University | NCEPU · School of Energy Power and Mechanical Engineering Doctor of Philosophy Energy storage, SOFC, PVT, building energy system, ...

1,3,4 Renewable Energy School, North China Electric Power University, China 2,3 Department of Energy Systems Engineering, Sukkur IBA University, Pakistan 2 School of Information and ...

3 CSP can be combined with efficient energy storage system to overcome the discontinuity of solar energy and achieve 24-h electricity supply. 4 Energy storage technologies for CSP can ...

North China Electric Power University ... and grand interface compatibility has become the key to the next-generation energy storage applications with high energy density and long cycling life ...

I am a master's student at North China Electric Power University and a trainee researcher at the State Grid Smart Grid Research Institute. I have a keen interest in the field of energy storage ...

phase change thermal storage; microchannel flow and heat transfer; heat transfer enhancement; solar buildings and building energy conservation; refrigeration and air conditioning. Both macro ...

Owing to its profound environmental advantages, solar energy finds wide-ranging applications in domains such as solar thermal photovoltaics, solar thermal power generation, and solar ...

North China Electric Power University ... As distributed and flexible energy storage as well as demand response (DR) sources, BSSs have great potentials to tackle both high penetration of ...

Hanfei Zhang's research while affiliated with North China Electric Power University and ... photovoltaic thermal collector and thermal energy storage. Surplus solar electricity is stored as ...

North China Electric Power University ... The chloride salts have great potential used as high-temperature thermal energy storage (TES) medium for the concentrated solar power system. ...

North China Electric Power University (Beijing, China) - Cited by 3,877 - cavitation - bubble dynamics - hydraulic turbine - energy storage - acoustic bubble ... Solar energy curtailment in ...

North China Electric Power University ... including perovskite solar cells and perovskite-based light emitting diode ... are one of the promising battery technologies for the green energy ...

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