Ruimin Solar Power Generation

Ruimin LIU has filed for patents to protect the following inventions. This listing includes patent applications that are pending as well as patents that have already been granted by the United States ...

Experience: Florida International University · Location: Fort Lauderdale. View Ruimin Sun"s profile on LinkedIn, a professional community of 1 billion members.

?China University of Geosciences? - ??Cited by 4,612?? - ?Multivalent ion battery? - ?Energy materials and devices?

High safety, low cost and high volumetric capacity rechargeable magnesium batteries (RMBs) are promising alternatives to lithium ion batteries. However, lack of high power, high energy and stable...

Herein, we report an ethanol-mediated capillary evaporation technique to prepare a dense and N/O/P-doped graphene xerogel (Ethyl-NPGX) for supercapacitor electrodes.

In recent years, she has published numerous SCI papers, including Nano Letters, Advanced Energy Materials, Advanced Functional Materials, Nano Energy, Energy Storage, etc. ...

Beyond water evaporation, the research highlight the potential of these composite aerogel solar steam generators in catalytic sterilization, solar energy storage, and power generation, ...

In this study, inspired by natural scallion structure, a 3D layered curled cylindrical photothermal interface evaporator using copper sulfide (CuS) and nickel foam (NF) are constructed, ...

Rechargeable magnesium (Mg) and calcium (Ca) metal batteries (RMBs and RCBs) are promising alternatives to lithium (Li)-ion batteries due to their significantly higher crustal abundance and energy...

Significant progress has been made in organic solar cells during recent years. However, the power conversion efficiency of all-small-molecule system is still lower than that of polymer...

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