

# **Peking university solar container research**





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### Nat. Photon. , Prof. Shihe Yang's Team Develops Vapor-Phase ...

Recently, a collaborative team led by Professor Shihe Yang (School of Advanced Materials, Peking University Shenzhen Graduate School; also Senior Researcher at Shenzhen Bay Laboratory), ...

### Prof. Shuxiang Dong's Group from Shenzhen University and Prof.

The article DOI is: 10.1016/j.mtchem.2023.101439. The first author of this work is M. Javad PourhosseiniAsl, a postdoctoral fellow at the College of Engineering and School of Materials Science ...



### Peng Chen's research works , Peking University, Beijing (PKU) and ...

Peng Chen's 30 research works with 735 citations and 3,459 reads, including: Universal Band Alignment Rule for Perovskite/Organic Heterojunction Interfaces

### Brimming with Promise: Enhancement to Stability and Efficiency of

The research project has gained support by various partners, including the National Natural Science Foundation of China, Natural Science

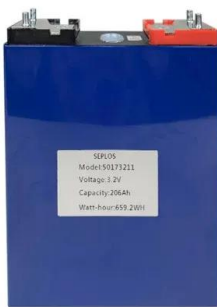


Foundation of Beijing, National Key Research ...



### **A new vision for solar cells materials**

Their recent research review was published in Nature Reviews Chemistry on August 1 with the title "The principles, design and applications of fused-ring electron acceptors."



### **Recent Advances in Highly Efficient Inverted Planar Heterojunction**

Peking University, May 18, 2017: Recently, Professors Zhu Rui and Gong Qihuang at School of Physics, Peking University with the collaborators have made great efforts in highly efficient inverted planar ...



### **Advances in Mesoscopic Perovskite Solar Cells-SCHOOL OF PHYSICS, PEKING**

The research group led by Prof. Rui Zhu and Prof. Qihuang Qong has also achieved progresses in the interface engineering of perovskite solar cells. In conventional perovskite solar ...





## Breakthrough made in perovskite solar cells-Shenzhen Technology University

To tackle this issue, Associate Prof. Tang Zeguo from SZTU in collaboration with Prof. Zheng Zilong and Prof. Zhang Yongzhe from Beijing University of Technology and their research ...



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## Nat. Photon. , Prof. Shihe Yang's Team Develops Vapor-Phase ...

The findings were published in the prestigious journal Nature Photonics under the title "Vapour-assisted surface treatment for highly stable fully printed carbon-electrode perovskite solar



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Welcome to the School of Earth & Space Sciences at Peking University. Our school has a glorious history in teaching and research, it was constructed from several ...



## Molecular Photovoltaics and the Rise of Perovskite Solar Cells

Photovoltaic cells using molecular dyes, semiconductor quantum dots or perovskite pigments as light harvesters have emerged as credible contenders to conventional devices. Dye sensitized solar cells ...

## Step into the Lab: Green Energy Research and Development Center, ...

Taking industrialization as the scientific research development goal, the school explores a new industry-university research mode inspired by technical bottlenecks and the scientific research demands of ...



## Containers for computational reproducibility

Containers are increasingly used in scientific projects to ensure reproducibility and promote collaboration. In this Primer, Moreau et al. explain containers, their use for scientific ...



## Peking University's Energy Storage Research: Bridging the Gap ...

As climate targets tighten, Peking University stands at the forefront of the storage revolution - proving that academic research can power real-world energy transformations.



## Scientists stunned by kaleidoscope effect while ...

A quick scroll through Peking University's report on solar cell breakthroughs provides a science-based kaleidoscope effect, as colorful graphs whirl by along with chemical equations and ...

## Recent Advances in Highly Efficient Inverted Planar Heterojunction

This result has demonstrated that the inverted-structure perovskite solar cells have great potential in the research field of photovoltaics. Owing to the global energy crisis and environmental ...



## Rui ZHU , Professor (Associate) , Peking University, ...

Wide-bandgap (WBG) perovskite solar cells (PSCs) are acknowledged as promising candidates for multijunction tandem and building photovoltaics, which ...



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