

# **Shanghai university of science and technology energy storage**





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### [CAS Key Laboratory of Materials for Energy Conversion](#)

CAS Key Laboratory of Materials for Energy Conversion can be traced back to the Friction and Solid Imperfection Joint Key Laboratory (the part at University of Science and ...



### [WeiDong WU , Professor \(Full\) , Doctor of ...](#)

WeiDong WU, Professor (Full) , Cited by 992 , of University of Shanghai for Science and Technology, Shanghai (USST) , Read 83 publications , Contact ...

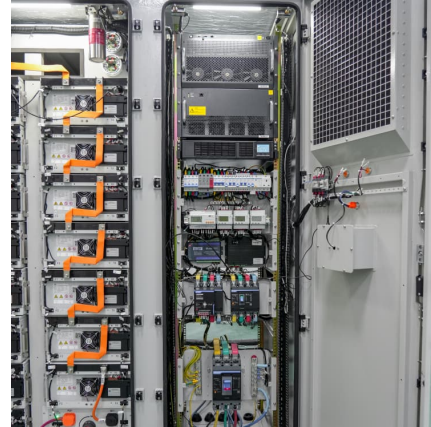
### **USST**

Founded in 2015 at the University of Shanghai for Science and Technology (USST), the Center for Faculty Teaching Development (CFTD) works with faculty, staff and academic administrators ...



### [Chinese 'Super Disk' shrinks data centre storage ...](#)

One of the most compelling advantages of this new technology is its energy efficiency. According to Professor Wen Jing, one of the study's corresponding ...



### [Renewable Energy and Storage Technologies](#)

The Center of Excellence for Renewable Energy and Storage Technologies actively collaborates with industry leaders, research institutions and academic ...



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Director, Energy Storage Laboratory (ESL) School of Information Science and Technology  
ShanghaiTech University Contact Address: 393 Middle Huaxia Road, Shanghai, 201210, China ...



### [Ni LIU , University of Shanghai for Science and ...](#)

The amount of cold energy, growth rate, Hydrate Packed Factor (HPF) and overall heat transfer coefficient during the cold storage process were ...

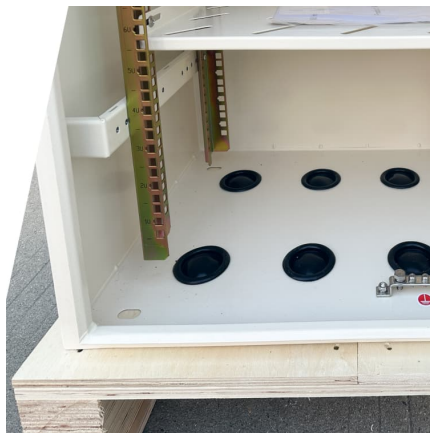




[Yajun Ji , University of Shanghai for Science and](#)

[...](#)

Herein, we prepared three-function chestnut-like CoZn-LDH by a facile one-step solvothermal method with excellent performance for energy conversion and ...



[Peng GAO , Doctor of Engineering , University of](#)

[...](#)

In the context of the stringent automobile emission legislations, this paper proposes a novel compression-assisted decomposition thermochemical ...

### **Institute of Electrochemistry and Energy Technology-SCCE**

The main research areas include electrochemical energy storage and conversion technology, hydrogen energy and fuel cells, novel catalysts and catalytic processes, photoelectrocatalysis,



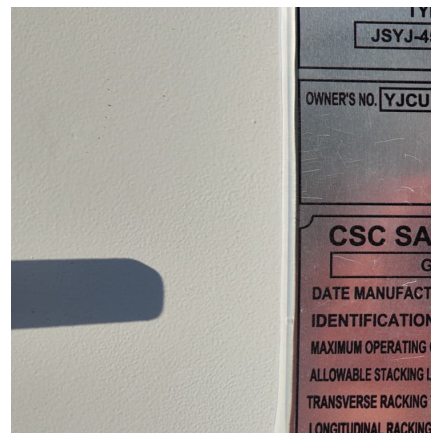
[School of Materials Science and Engineering](#)

Shanghai Key Laboratory of Hydrogen Science was officially approved and established by the Science and Technology Commission of Shanghai Municipality in December 2021. It is the first ...



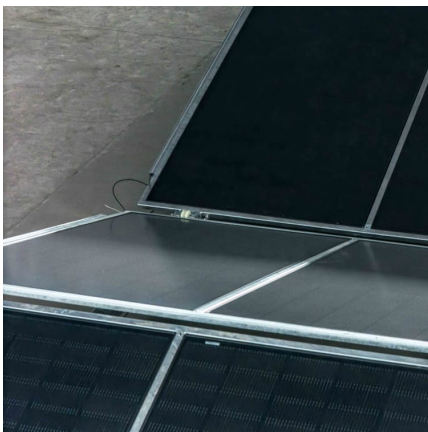
**Shiyu ZHENG , University of Shanghai for Science and Technology**

Li metal is considered as one of the most promising candidates for constructing advanced high-energy energy storage due to its ultrahigh theoretical capacity and lowest electrochemical ...



**School of Materials and Energy-University of Electronic Science ...**

In line with the national strategy for innovation and development in the new era and the university's 'Double First-Class' construction goals, the enterprising School of Materials ...



[Journal of Energy Storage , ScienceDirect by Elsevier](#)

The Journal of Energy Storage focusses on all aspects of energy storage, in particular systems integration, electric grid integration, modelling and analysis, novel energy storage technologies, ...



[Shaojie CHEN , ShanghaiTech University, Shanghai](#)

Lithium-ion batteries are considered a promising energy storage technology in portable electronics and electric vehicles due to their high energy density, ...

### About us

The School of Energy and Power Engineering (SEPE) is one of the important academic institutions engaged in talent training and scientific research in the fields of energy and power ...



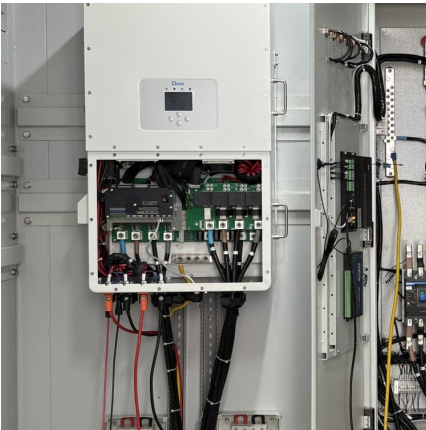
**Yajun JI , University of Shanghai for Science and Technology, Shanghai**

Herein, we prepared three-function chestnut-like CoZn-LDH by a facile one-step solvothermal method with excellent performance for energy conversion and storage. Specifically, the as ...

[G.H. ZHANG , PhD , University of Shanghai for ...](#)

In recent years, latent heat energy storage technology has gradually become one of critical technologies in the process of solar energy utilization.





**Ni LIU , University of Shanghai for Science and Technology, Shanghai**

The amount of cold energy, growth rate, Hydrate Packed Factor (HPF) and overall heat transfer coefficient during the cold storage process were calculated and analyzed under diff

[Wenchao BI , University of Shanghai for Science and ...](#)

Aqueous zinc-ion batteries (ZIBs) have received an increasing attention for large-scale energy storage due to its low cost and high safety.



**Yao LI**

PhD in Material Science and Engineering, Shanghai Jiao Tong University, 2009 to 2015  
u0001 MA in Material Science and Engineering, Xi'an university of technology, 2006 to 2009  
u0001 ...

**About Us**

Center of Hydrogen Science(CHS)of Shanghai Jiao Tong University, founded on June, 2018, is a comprehensive research platform covering two major fields, energy and life. It is the first ...



**Shi Xue Dou**

Shi Xue Dou, Emeritus Professor, Institute of Energy Materials Science, University of Shanghai for Science and Technology; Australian Institute for Innovative Materials, Institute for ...



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IEMS aims to attract elite talents in energy-related fields, to build a world-class scientific research team and a world-level cooperation platform to jointly overcome the global ...



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??? ?????????? ??? Shanghai University of Science and Technology ? ? ?????SUST ???? 1958?9?(1959?????) ???? ? ...





## The high-capacity magnesium based solid hydrogen storage and

He mainly engages in basic research and application development of magnesium-based energy materials, presided over and completed the national key research ...



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