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Prof. Dr. Yong-Sheng Hu, Institute of Physics, Chinese Academy of Sciences, China. Yong-Sheng Hu is a full professor at the Institute of Physics, Chinese Academy of Sciences. He is working on advanced materials for long-life stationary batteries and their energy storage mechanism, particularly focusing on Na based batteries.

Lithium-ion batteries (LIBs) have been widely used as a new energy storage system with high energy density and long cycle life. However, the solid electrolyte interface (SEI) formed on the ...

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Zhengxiao Guo is a joint-facult Chair Professor of Chemistry and Mechanical Engineering at the University of Hong Kong, an Honorary Professor at University College London (UCL), an Elected Member of Academia Europaea ...

Then, Dr. Han joined in Prof. Liangbing Hu" research group at University of Maryland at College Park where he started his researches on electrochemical energy storage including solid-state...

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Ph.D, Department of Energy, Technical University of Denmark (1993); Professor of Tsinghua University, China (1998-); Academician of the Chinese Academy of Sciences (2017-); Chief Scientist of ...

2. Leqing Deng, Meiyang Feng, Ruiting Wang, Yusi Yang, Xiaogang Niu, Juan Zhang, Lulu Tan, Jianwen Zhang, Yifan Chen, Liang Zeng, Yujie Zhu* and Lin Guo, "Potassium iodide as a low-cost cathode material for efficient potassium-ion storage", Energy Storage

:,... Research in new electrochemical energy storage technology:Solid-state lithium battery, lithium metal anode, Li ...

Potassium-ion (K-ion) batteries can be an attractive alternative for grid-scale energy storage due to the abundance of K resources. For the first time, we designed and fabricated a non-aqueous K-ion battery (KIB) by employing 3,4,9,10-perylene-tetracarboxylicacid-dianhydride (PTCDA) as the cathode.

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Tianhao Yao, Hongkang Wang,* Xin Ji, Qingmiao Zhang, Lingjie Meng, Yonghong Cheng, Yu Chen, Xiaogang Han, Encapsulation of Titanium Disulfide into MOF-Derived N,S-Doped Carbon Nanotablets towards Suppressed Shuttle Effect and Enhanced Sodium

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Xiaogang Han's 80 research works with 1,694 citations and 7,630 reads, including: Ultra-Large Sn₃O₄ Nanosheets with Sn²⁺ Defect for Highly Efficient Hydrogen Sensing

2019 - Professor, Nanyang Technological University 2014 - 2019 Associate Professor, Nanyang Technological University 2008 - 2014 Assistant Professor, Nanyang Technological University 2006 - 2008 Research Associate, University of Cambridge ...

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Research in new electrochemical energy storage technology : Solid-state lithium battery, lithium metal anode, Li-S battery and Li-air battery 2. Research in house/grid energy storage 3. 4.

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