

2 Guangdong Provincial Key Laboratory of Functional Oxide Materials and Devices, Southern University of Science and Technology, Shenzhen, 518055, P. R. China. 3 School of Materials Science and Engineering, Beihang University, Beijing, 100191, P. R. China.

Research Achievements on Liquid Organic Hydrogen Storage Carriers Featured in... Recently, Associate Professor Li Xiang, Professor Sun Yifei, Associate Professor Sun Ye, all from Beihang's School of Energy and Power Engineering, along with their collaborators, ac...

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B.S. in Materials Science and Engineering, Beihang University, 1988; Professional Preparation. Honored Fulbright Scholar, Nanyang Technological University, Singapore, 12/2019 - 03/2020 ... X.W. Fu, M. Zheng, W.H. Zhong and G.Z. Cao, Strategies for Building Robust Traffic Networks in Advanced Energy Storage Devices: A Focus on Composite ...

An ultrathin all-inorganic smart electrochromic energy storage device ... Supported by the National Natural Science Foundation of China (KZ73095501 and KZ73086401), ... (KG12050101, ZG216S18A9, ZG226S18M9). Lei Liu is a Ph.D. candidate in the School of Physics and Nuclear Energy Engineering, Beihang University, China. Currently, his research ...

School of Mechanical Engineering and Automation, Beihang University, Beijing, 100191 China. ... School of Mechanical Engineering, Hebei University of Science and Technology, Shijiazhuang, Hebei, 050018 China. ... a composite material with energy storage, active electro-/photo-thermal de-icing and passive super-hydrophobic anti-icing properties ...

We demonstrate an efficient densification strategy using a sequential bridging process of hydrogen and covalent bonding (Fig. 1, A and E, and fig. S1). Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene platelets were exfoliated by selectively ...

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This study demonstrated how to design an energy-storage metamaterials with enhanced mechanical properties and battery safety simultaneously via architecture manipulating. Also, ...

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Capacitors with high energy density are pressingly demanded in pulsed power systems and recent achievements in polymer-based nanocomposites with increasingly high energy storage capacity demonstrate their great potential in this field. Poly(vinylidene fluoride) (PVDF)-based composites with barium titanate (BT) nanoparticles as fillers are one of the ...

Affiliations 1 CAS Center for Excellence in Nanoscience Beijing Key Laboratory of Micro-nano Energy and Sensor Beijing Institute of Nanoenergy and Nanosystems Chinese Academy of Sciences Beijing 100083 P. R. China.; 2 Beijing Advanced Innovation Centre for Biomedical Engineering Beihang University Key Laboratory for Biomechanics and ...

Beihang University, Key Laboratory of Bio-Inspired Smart Interfacial Science and Technology of Ministry of Education, School of Chemistry, 37 Xueyuan Road, Haidian District, Beijing, 100191 China. Beihang University, Beijing Advanced Innovation Center for Biomedical Engineering, Beijing, 100191 China. Search for more papers by this author

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