Highest energy density battery Hong Kong

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A group of scientists under the direction of Professor Dennis Y.C. Leung of the Mechanical Engineering Department at the University of Hong Kong (HKU) have developed a high-performance quasi-solid-state magnesium-ion (Mg-ion) battery, marking a significant advancement in battery technology. The limits of material scarcity and safety concerns ...

of Hong Kong (HKU)"s Department of Mechanical Engineering has achieved a major breakthrough in battery technology with the development of a high-performance quasi-solid-state magnesium-ion (Mg-ion) battery. This innovative design offers a sustainable, safe, and high-energy-density alternative to conventional lithium-ion batteries, 1/5

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The team has discovered a series of anionic network solid electrolytes that can form an integral part of the new battery, which is safer, higher in power density and has a longer life cycle.

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