Tokyo lithium-ion battery technology

University of Tokyo researchers introduce a superior, cobalt-free alternative for lithium-ion batteries, offering better performance and longevity, ...

A battery"s positive end (cathode) and negative end (anode) are two vital components that largely define how well it can perform. In particular, researchers have focused on improving the ...

Japan: Scientists use manganese oxide to build better cathodes in lithium-ion batteries The research bridges electrochemistry and solid-state physics, establishing a new paradigm for distortion ...

The University of Tokyo has announced a significant breakthrough in battery technology. The research team, led by Professor Atsuo Yamada from the Department of Chemical System Engineering, has ...

University of Tokyo researchers reveal a game-changing cobalt-free lithium-ion battery, offering sustainable energy storage and addressing ethical concerns in the electric vehicle industry.

For the first time, a team including researchers from the University of Tokyo presents a viable alternative to cobalt which in some ways can ...

In an unprecedented leap in battery technology, scientists have unveiled a new, highly conductive lithium-ion conductor, marking a significant ...

TeraWatt Technology completes Series B funding to accelerate pilot production of its next-gen lithium-ion batteries.

Our main research interest is in ion-conductive solid materials for energy storage and conversion devices such as lithium-ion batteries and all-solid-state batteries. We are working on the ...

Tokyo University"s groundbreaking alternative to cobalt in lithium-ion batteries, addressing ethical and

environmental concerns.

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