



# Solid-state ev battery cathode breakthrough

EV range doubled: Toyota's solid-state battery cathode beats lithium in energy density Researchers focused on copper nitride (Cu<sub>3</sub>N) as a cathode material for all-solid-state ...

Now, we're seeing that tech peeking through to fruition. Researchers, in collaboration with Toyota Motor Corporation, announced a breakthrough. They've developed a ...

2 &#0183; Last September, Toyota announced plans for their improved lithium-ion batteries, as well as a "breakthrough" in solid-state battery technology. It's notable, because the company ...

Advanced cathodes, solid-state batteries, and battery recycling technologies are addressing needs for performance and efficiency.

Korean researchers have developed advanced Ni-rich cathodes that improve all-solid-state battery performance, offering longer lifespans and greater energy efficiency.

The announcement centers on the development of a dry-cathode method that simplifies production and extends battery lifespan, potentially addressing long-standing ...

A multi-institutional research team led by Georgia Tech's Hailong Chen has developed a new, low-cost cathode that could radically improve lithium-ion batteries (LIBs) -- ...

2 &#0183; Last September, Toyota announced plans for their improved lithium-ion batteries, as well as a "breakthrough" in solid-state battery technology. It's notable, because the company had been resisting its transition to electric ...

An imminent breakthrough in the mass production of solid-state batteries could significantly cut electric vehicle charging time and extend driving range, bringing the auto ...

US solid-state battery firm Factorial has introduced its new Solstice battery, developed in conjunction with German OEM Mercedes, that promises energy density of up to ...

Researchers at the University of California San Diego have developed a new cathode material for solid-state lithium-sulfur batteries that significantly improves their electrical ...



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