

Research achievements on Li-ion battery by Associate Professor Hitosugi appeared in the Nikkei Sangyo Shimbun.

Li-ion battery is used in diverse range of applications, from cars to microchips. The importance of Li-ion batteries is rapidly accelerated due to the rising oil prices and the need to address climate change.

We have developed the technique to fabricate epitaxial thin films of layered-rhombohedral LiCoO_2 , which is widely used as positive electrode. The result enables us to study Li-ion conduction in grain boundaries and inside grains that would give us further insights toward realization of large capacity Li-ion batteries.

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