. 27 (. 2022)

coating of the cathode active material contributes to lower resistance and improved cycle performance. Fabrication of all-solid-state batteries by the pellet-type method at JFE Techno-Research is also considered to be an effective technique for evaluation of coatings of coated cathodes.

3.

This article presented an outline of fabrication technology for all-solid-state lithium-ion secondary batteries with sulfide-based solid electrolytes by the pellet-type (powder compaction) method. Battery-Materials Analysis & Evaluation Center of the JFE Techno-Research is promoting study of battery fabrication by a coating method and the development of laminated cells in order to respond even more effectively to the battery prototype fabrication needs of all-solid-state batteries. In the future, we will continue to improve our fabrication technologies for various types of batteries and promote research and development to ensure customer satisfaction.

1) For example, Reduction of Surface Boundary Resistance and Fabrication Processes and Evaluation Technology for All-solid-state Batteries, Technical Information Institute Co., Ltd.. 2020, 490 p.

Sales Division, JFE Techno-Research
Phone: (81)3–3510–3833
Battery Design & Analysis Center
Phone: (81)43–262–2490
https://www.jfe-tec.co.jp/en/