

**Processing and Evaluation for Improvement of Characteristics of High Temperature Superconductor**

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High superconducting material is classified into bulk material and wire material according to its shape and its application, and the research and development are advanced actively for the practical use. In this paper, we introduce the technology of the processing of the high temperature superconducting material, and the evaluation of the technology as well. In order to improve the magnetical properties of the superconducting bulk, impurities were added and grain-size control was performed. It was found out that this technology is effective in the application area.