

PROGRESS OF RESEARCH OF HIGH-T_c SUPERCONDUCTORS

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ABSTRACT

The research of high-T_c superconductors has made big progress in these last few years. New materials were found and the systematic investigations of these materials must contribute to understanding the mechanism of high-T_c superconductivity.

The critical currents in thin films, bulks and tapes increased drastically, and the origin of flux pinning will be clarified in the near future.

These progressions give us a view of a bright future of high-T_c superconductivity in both the basic and application research areas.

Recent activities in research of high-T_c superconductivity and superconductors in Japan will be overviewed.