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High Temperature Superconductors: Relationships Between Properties, Structure,
and Solid-State Chemistry

Editors: James D. Jorgensen, Koichi Kitazawa, Jean Marie Tarascon, Mark S. Thompson
and Jerry B. Torrance

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MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS VOLUME 156

High Temperature Superconductors: Relationships Between Properties, Structure, and Solid-State Chemistry

Symposium held April 25-28, 1989, San Diego, California, U.S.A.

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Preface

These proceedings are a refereed summary of the symposium "High Temperature Superconductors: Relationships Between Properties, Structure, and Solid State Chemistry" held April 24-28, 1989 at the MRS Spring meeting in San Diego.

In the years following the discovery of superconductivity in doped lanthanum copper oxide in late 1986 there has been a large, multinational effort in the study of what are now called "high T_c" superconductors. As a result of this work at least ten discrete phases of superconducting oxides have been identified. We felt it would be useful to have a symposium whose focus was to identify and discuss the common structural features of these oxide superconductors. These proceedings hopefully represent a state of the art view of the correlations between crystal chemistry and superconductivity in metal oxide systems.

James D. Jorgensen
Koichi Kitazawa
Jean Marie Tarascon
Mark S. Thompson
Jerry B. Torrance

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