



# CONTENTS

Preface v

Contents ix

Contents of Volume 31 (preliminary) x

Contents of Volumes 1–29 xi

187. M. Brian Maple

*High-temperature superconductivity in layered cuprates: overview* 1

188. B. Raveau, C. Michel and M. Hervieu

*Crystal chemistry of superconducting rare-earth cuprates* 31

189. Yuh Shiohara and Eugene A. Goodilin

*Single-crystal growth for science and technology* 67

190. Pavel Karen and Arne Kjekshus

*Phase diagrams and thermodynamic properties* 229

191. B. Elschner and A. Loidl

*Electron paramagnetic resonance in cuprate superconductors and in parent compounds* 375

192. Alfred A. Manuel

*Positron annihilation in high-temperature superconductors* 417

193. W.E. Pickett and I.I. Mazin

*RBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> compounds: electronic theory and physical properties* 453

194. U. Staub and L. Soderholm

*Electronic 4f state splittings in cuprates* 491

*Author index* 547

*Subject index* 621