Praise for the First Edition:

"Very useful for researchers in solid-state chemistry and as a textbook of advanced inorganic chemistry for PhD students." - Advanced Materials.

This book provides unified coverage of the structure, properties, and synthesis of transition metal oxides. Written by two world-class scientists, it offers both an excellent window on modern solid-state chemistry and a gateway to understanding the behavior of inorganic solids.

Scientists and advanced students in inorganic and solid-state chemistry, materials science, ceramics, and condensed matter science will welcome this updated Second Edition, which features new or expanded material on:

* Oxyanion derivatives of cuprates, mercury cuprates, ladder compounds, and new oxide systems

* Giant magnetoresistance, superconductivity, and nonlinear materials

* Recently developed synthetic strategies and examples, including soft chemistry routes

Plus:
* Hundreds of illustrations
* Helpful references.

---

**ABOUT THE AUTHOR**

C. N. R. RAO is Albert Einstein Research Professor at the CSIR Centre of Excellence in Chemistry at the Indian Institute of Science and Jawaharlal Nehru Centre for Advanced Scientific Research in Bangalore, India.

B. RAVEAU is Professor at the Laboratoire CRISMAT, Centre des Matériaux Supraconducteurs in Caen, France.

---

To purchase this product, please visit [https://www.wiley.com/en-us/9780471189718](https://www.wiley.com/en-us/9780471189718)