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Sommario/riassunto

Defects play an important role in determining the properties of solids. This book provides an introduction to chemical bond, phonons, and thermodynamics; treatment of point defect formation and reaction, equilibria, mechanisms, and kinetics; kinetics chapters on solid state processes; and electrochemical techniques and applications. Offers a coherent description of fundamental defect chemistry and the most common applications. Up-to-date trends and developments within this field. Combines electrochemical concepts with aspects of semiconductor physics.
