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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Vanadate speciation -- Monodentate ligands of vanadate -- Aqueous reactions of vanadate with multidentate ligands -- Coordination of vanadate by hydrogen peroxide and hydroxylamines -- Reactions of peroxovanadates -- Aqueous reactions and NMR spectroscopy of hydroxamidovanadates -- Reactions of oligovanadates -- Influence of ligand properties on product structure and reactivity -- Vanadium in biological systems -- The influence of vanadium compounds on biological systems -- Model systems and technological development -- Preparation, characterization and battery applications of silver vanadium oxide materials.
Sommario/riassunto	The first comprehensive resource on the chemistry of vanadium, Vanadium: Chemistry, Biochemistry, Pharmacology, and Practical Applications has evolved from over a quarter century of research that concentrated on delineating the aqueous coordination reactions that characterize the vanadium(V) oxidation state. The authors distill information on biological processes needed to understand vanadium effects in biological systems and make this information accessible to a wide range of readers, including chemists without extensive biological training. Building a hierarchy of complexity, the b