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	Lanthanide Coordination Chemistry; 1.5 Coordination Chemistry of Inorganic Compounds; 1.5.1 Rare Earth Hydroxides; 1.5.2 Rare Earth Halide and Perchlorate Compounds; 1.5.3 Rare Earth Cyanide and Thiocyanate Compounds; 1.5.4 Rare Earth Carbonate Compounds; 1.5.5 Rare Earth Oxalate Compounds; 1.5.6 Rare Earth Nitrate Compounds; 1.5.7 Rare Earth Phosphate Compounds; 1.5.8 Rare Earth Sulfate Compounds; 1.5.9 Rare Earth Borate Compounds; 1.6 Outlook; Acknowledgments References2 - Diketonate Lanthanide Complexes; 2.1 Introduction; 2.2 Types of - Diketones Used for Lanthanide Complexes; 2.3.1 Mono(- Diketone) Ligands; 2.2.2 Bis(-Diketones) Ligands; 2.2.3 Dendritic - Diketones Ligands; 2.3 - Diketonate Lanthanide Complexes; 2.3.1 Mononuclear Lanthanide Complexes; 3.4 Summary and Outlook; Acknowledgments; References; 3 Rare Earth Complexes with Carboxylic Acids, Polyaminopolycarboxylic Acids, and Amino Acids; 3.1 Introduction; 3.2 Rare Earth Complexes with Carboxylic Acids 3.2.1 Preparation of Rare Earth Complexes with Carboxylic Acids 3.2.1 Preparation of Rare Earth Complexes with Carboxylic Acids; 3.2.3 Solution Chemistry of Rare Earth Complexes with Carboxylic Acids; 3.3.1 Preparation of Rare Earth Complexes with Carboxylic Acids; 3.4 Rare Earth Complexes with Polyaminopolycarboxylic Acids; 3.4.1 Preparation of Rare Earth Complexes with Amino Acids; 3.4.3 Solution Chemistry of Rare Earth Complexes with Amino Acids; 3.4.3 Solution Chemistry of Rare Earth Complexes with Amino Acids; 3.4.3 Solution Chemistry of Rare Earth Complexes with Amino Acids; 3.4.3 Solution Chemistry of Rare Earth Complexes with Amino Acids; 3.4.3 Solution Chemistry of Rare Earth Complexes with Amino Acids; 3.5 Summary and Outlook; References; 4 N-Based Rare Earth Complexes; 4.1 Introduction; 4.2 Rare Earth Complexes with Amino Acids; 3.5 Summary and Outl
Sommario/riassunto	Edited by a highly regarded scientist and with contributions fromsixteen international research groups, spanning Asia and NorthAmerica, Rare Earth Coordination Chemistry: Fundamentals andApplications provides the first one-stop reference resource forimportant accomplishments in the area of rare earth.Consisting of two parts, Fundamentals and Applications, readers arearmed with the systematic basic aspects of rare earth coordinationchemistry and presented with the latest developments in theapplications of rare earths.The systematic introduction of basic knowledge, applicationtechnology and the