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Nota di contenuto	Electrodeposition and Characterization of Alloys and Composite Materials -- A New Approach to the Understanding of the Mechanism of Lead Electrodeposition -- Electrophoretic Deposition of Ceramic Coatings on Metal Surfaces -- Electrochemical Synthesis of Metal Oxides for Energy Applications -- Luminescence During the Electrochemical Oxidation of Aluminum -- Electrochemical Aspects of Chemical Mechanical Polishing -- Metallization of Semiconductors and Non-Conductive Surfaces from Aqueous Solutions.
Sommario/riassunto	This volume of Modern Aspects of Electrochemistry has contributions from significant individuals in electrochemistry. This 7 chapter book discusses electrodeposition and the characterization of alloys and composite materials, the mechanistic aspects of lead electrodeposition, electrophoretic deposition of ceramic materials onto metal surfaces and the fundamentals of metal oxides for energy conversion and storage

technologies. This volume also has a chapter devoted to the anodization of aluminum, electrochemical aspects of chemical and mechanical polishing, and surface treatments prior to metallization of semiconductors, ceramics, and polymers. This volume of Modern Aspects of Electrochemistry is ideal for scientists, researchers, engineers, and students interested in the latest findings in the field of electrodeposition and surface finishing.