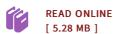




## Modern Aspects of Electrochemistry 45: Vol. 45 (Hardback)

Ву-

Springer-Verlag New York Inc., United States, 2009. Hardback. Book Condition: New. 2009 ed.. 208 x 134 mm. Language: English . Brand New Book. This volume contains ?ve chapters. The topics covered are the cathodic reduction of nitrate, for which the key issues are pr- uct selectivity and current ef?ciency; a discussion of ionic l- uids known as molten or fused salts in key industrial processes; the properties of nanowires made of metals and semiconductors by means of electrodeposition into porous templates and template synthesis; and an overview of a range of alloys used in elect- plating, and trends in ammonium electrolysis. Also, included is a review of the applications of synchroton x-ray scattering to the electrochemical interphase. Chapter 1 by Celia Milhano and Derek Pletcher reviews the cathodic reduction of nitrate as a truly fascinating reaction since processes for nitrate removal from drinking water and effluents and reducing nitrates in nuclear waste is an essential step in n-lear waste disposal. The authors also review electrochemical membrane technology not involving the cathodic reduction of - trate. In Chapter 2, the authors discuss substances called ionic l- uids, and the fact that this is really a new more modern term for...



## Reviews

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