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Electrometallurgy: Electrochemistry & Cementation

Electrochemistry: The Key to Understanding Hydrometallurgical Reactions Abstract; Introduction; The Zincate/Aluminium Cementation Reaction; Cementation of Copper on Nickel; Cementation of gold thiourea using mild steel; References; APPENDIX 1. Experimental Methods; Limitations for the Use of Evans' Diagrams to Describe Hydrometallurgical Redox Phenomena; Abstract; Introduction; Theoretical Considerations; Experimental Methods; Results and Discussion; Acknowledgements; References; Hydrogen Reduction of Metal Ions: An Electrochemical Model; Abstract; Introduction; Precipitation Kinetics

Heterogeneous Activation: Electrochemical Model Discussion; Conclusions; References; Alloy Formation During the Cementation of Gold on Copper from Ammoniacal Thiosulfate Solutions; Abstract; Introduction; Experimental Procedures; Results and Discussion; Conclusions; References; Some Aspects of Cementation Reactions; Abstract; Introduction; Thermodynamics; Kinetics and Mechanism; Deposit Effects; Deposit Composition; A Novel Class of Cementation Reactions; Conclusions; Acknowledgements; References;

Electrometallurgy I Electrowinning; Effect of Impurity Presence in Zinc Chloride Electrowinning

Abstract Introduction; Experimental; Results and discussions; Conclusions; References; The Effects of Solution Impurities on the Properties of Nickel Cathodes; Abstract; Introduction; Experimental; Results; Discussion; Conclusions; References; Effect of Some Polyols and Organic Acids on the Current Efficiency and the Cell Voltage During Zinc Electrowinning; Abstract; Introduction; Experimental; Results and Discussion; Conclusions; Acknowledgments; References; Determination of Crystallite Size and Surface Roughness of Copper Deposits for Electrowinning in the Presence of an Organic Additive  
Abstract

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Sommario/riassunto

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