Preface
Towards a Structural Model for Anodic Alumina
Nondestructive Optical Characterization of Anodic Oxide Films on Aluminum with Spectroscopic Ellipsometry and FTIR Reflection Spectroscopy
Influence of Surface Treatment and Solution Composition on the Photoelectrochemical Behavior of Aluminum Oxide Films
The Incorporation of Electrolyte Species into Anodic Alumina Films
Local Anodizing of Aluminum in a Sulfuric Acid Solution with Laser Irradiation
Anodic Oxidation of Aluminum in Organic Electrolytes Under Nearly Anhydrous Condition
Characterization of Conversion Layers on Aluminum by Means of Electrochemical Impedance Spectroscopy
STM Studies of Passive Films on Fe-Cr Alloys: Implications for Models of Alloy Passivation
STM Imaging of Titanium and Iron Oxides
Detection of Corrosion - Related Defects in Aluminum Using Positron Annihilation Spectroscopy
Significance of Electrochemical and Semiconductive Properties of Bulk Metal Oxides for the Characterization of Passive Films
Electrochemical Studies on Artificial Cr- and Fe-Oxide Passive Layers Prepared by Sputter Deposition
The Point Defect Model vs. The High Field Model for Describing the Growth of Passive Films
Ionic Diffusion in Passive Oxide Films with Inhomogenous Vacancy Distributions
Development of Surface Impurity Segregation During Dissolution of Aluminum
Protective Oxide and Sulfide Films Formed on Sputter-Deposited Amorphous Al-Mo and Al-Mo-Si Alloys at High Temperatures
Electro- and Photoelectrochemical Investigations of a New High Corrosion Resistant Cu-Al-P Alloy
Corrosion Protection of High-Copper Aluminum Alloys by Surface Modification
Luminescent Structures Employing Porous Anodic Oxides at Silicon-Based Materials
Incorporation and Distribution of Electrolyte Anions in Anodic Oxide Films on Tantalum
Characterization of the Barrier Passive Film on Zinc
Studies of Moisture Adsorption on Various Kinds of Solid Surfaces Using Anhydrous Hydrogen Fluoride
Influence of Surface Treatment on the Anodic Oxidation of Zirconium
On the Dissolution and Growth of Passive Films on Tungsten
Effect of Chloride Ions on the Corrosion Behavior of Aluminum and Some Aluminum Alloys in Nitric Acid Solutions
SnO[subscript 2]/Si and TiO[subscript 2] Modified Solar Cells Comparative Studies

Subject Index
Table of Contents provided by Blackwell's Book Services and R.R. Bowker. Used with permission.