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## Electrodeposition

### Theory and Practice

In the past few decades, research in the science of electrodeposition of metals has shown the important practical applications of electronic, magnetic, energy devices and biomedical materials. The aim of this new volume is to review the latest developments electrodeposition and present them to teachers, professionals, and students working in the field.

#### Features

► Bring to light the newest developments in electrodeposition ► Present practical applications of recent advancements in the field

#### Contents

The Effect of Morphology of Activated Electrodes on Their Electrochemical Properties.- Electrodeposition for Electrochemical Conversion and Storage Devices.- Noble Metal Nanoislands Decoration of Au(111) and Pt(111) Single Crystal Surfaces.- Electroless Deposition: Latest Developments and Mechanistic Aspects.- Electrochemical Deposition of Magnetic Materials.- Electrochemical micromachining and microstructuring of aluminum and aluminum surfaces.

#### Fields of interest

Electrochemistry; Magnetism, Magnetic Materials; Power Engineering

#### Target groups

Research

#### Type of publication

Reviews

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Editor-in-chief: A. G. Kostianoy, D. Barceló

### Volume 12

P. Eyerer, Fraunhofer-Institut Chemische Technologie, Pfinztal, Germany; M. Weller, Karlsruhe, Germany; C. Hübner, Fraunhofer-Institut Chemische Technologie, Pfinztal, Germany (Eds.)

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#### Features

► A comprehensive review ► Written by leading experts in the field ► A valuable source of information for scientists, environmental managers and decision makers

#### Fields of interest

Polymer Sciences; Environmental Chemistry; Waste Management/Waste Technology

#### Target groups

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#### Type of publication

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