

Preface

For the study of electrode processes, the application of lasers has proved to be very successful. Gyöző Láng (Budapest, Hungary) and Cesar Barbero (Rio Cuarto, Argentina) have undertaken the task to present the use of lasers (1) for studies of interfacial stress changes of solid electrodes and (2) for the study of changes of the refractive index of solutions near electrode surfaces. The first part of the monograph contains a very sound discussion of the thermodynamics of electrode surfaces, as it can be hardly found elsewhere. The entire monograph excels in a clear presentation of the theoretical background, the experimental setups, and well-chosen illustrative examples. This book will be an indispensable reading for postgraduate students and scientists wishing to use these laser techniques in electrochemical investigations. The two authors have decisively contributed to the development of the presented techniques, and their in-depth knowledge guarantees that the reader gets an authoritative and reliable source which will be valid for many years to come.

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