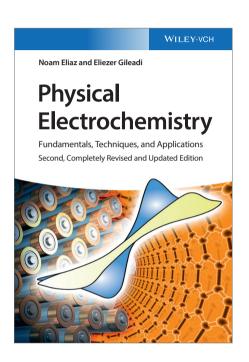
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This bestselling textbook on physical electrochemistry caters to the needs of both undergraduate and postgraduate students of chemistry, materials engineering, mechanical engineering, chemical engineering, and environmental engineering. It is unique in covering both the more fundamental, physical aspects as well as the application-oriented practical aspects in a balanced manner. In addition, it serves as a self-study text for scientists in industry and research institutions working in related fields.

The book can be divided into three parts:

(i) the fundamentals of electrochemistry; (ii) the most important electrochemical measurement techniques; and (iii) applications of electrochemistry in corrosion engineering, coating technologies, nanotechnology, and energy conversion and storage.

The second edition has been thoroughly revised, extended and updated to reflect the state-of-the-art in the field, for example, electrochemical printing, catalysis, batteries, fuel cells, supercapacitors, and hydrogen storage.

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