

Industrial Electrochemistry

By D. Pletcher, F.C. Walsh

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The objective of this second edition remains the discussion of the many diverse roles of electrochemical technology in industry. Throughout the book, the intention is to emphasize that the applications, though extremely diverse, all are on the same principles of electrochemistry and electrochemical engineer based ing. Those familiar with the first edition will note a significant increase in the number of pages. The most obvious addition is the separate chapter on electrochemical sensors but, in fact, all chapters have been reviewed thoroughly and many have been altered substantially. These changes to the book partly reflect the different view of a second author as well as comments from students and friends. Also, they arise inevitably from the vitality and strength of electrochemical technology; in addition to important improvements in tech nology, new electrolytic processes and electrochemical devices continue to be reported. In the preface to the first edition it was stated: . . . the future for electrochemical technology is bright and there is a general expectation that new applications of electrochemistry will become economic as the world responds to the challenge of more expensive energy, of the need to develop new materials and to exploit different chemical feedstocks and of the necessity to protect the environment. The preparation of this second edition, seven years after these words were written, provided an occasion to review the progress of industrial electro chemistry.

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Editorial Review

Review
Many a technologist will be led to the direct solution of a problem, or provided with inspiration for some lateral thinking. - Chemistry & Industry; This book is an excellent one with a judicious balance of both applied and fundamental aspects...The authors are to be congratulated for bringing out such an enlightening book on industrial electrochemistry - Bulletin of Electrochemistry; The authors ... must be congratulated on the amount of factual material that they have included. Their style of writing is also very good, making the book eminently readable whether you just want to dip into a specific topic or perhaps pursue a much larger section. - Transactions of the Institute of Metal Finishing; As a readable, general textbook it can be recommended to all chemists and chemical engineering interested in the subject, whether in industry or university life. - Journal of Chemical Technical Biotechnology; ...a welcome addition to the literature... - Chemistry & Industry.; Here is an opportunity to obtain one of the most comprehensive treatments of fundamental and applied aspects of electrochemistry at a real value for money price...a must for most industrialists and academics working in the field. - Chemistry and Industry; The emphasis on costing and economics should appeal to a variety of reader interests...The practical aspects are well covered...[this book] will find its way into many private libraries. - Chemical Monographs Review; ...The authors are to be congratulated for bringing out such an enlightening book on industrial electrochemistry. - Bulletin of Electrochemistry

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