



Laboratory Techniques in Electroanalytical Chemistry, Second Edition, Revised and Expanded

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This volume provides a practical, intuitive approach to electroanalytical chemistry, presenting fundamental concepts and experimental techniques without the use of technical jargon or unnecessarily extensive mathematics. This edition offers new material on ways of preparing and using microelectrodes, the processes that govern the voltammetric behavior of microelectrodes, methods for characterizing chemically modified electrodes, electrochemical studies at reduced temperatures, and more. The authors cover such topics as analog instrumentation, overcoming solution resistance with stability and grace in potentiostatic circuits, conductivity and conductometry, electrochemical cells, carbon electrodes, film electrodes, microelectrodes, chemically modified electrodes, mercury electrodes, and solvents and supporting electrolytes.

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Editorial Review

Review

Praise for the First Edition.an excellent and comprehensive survey.should be found on the bookshelf of every electrochemist.

---Trends in Analytical Chemistry

My advice to fellow electrochemists is to buy two copies

---one to keep for a handy reference and a second to lend to the army of friends and colleagues who are apt to descend upon us in search of the answers that they've heard the book can provide.

---Analytical Chemistry

. . .well-produced, readable and up-to-date. . .provides much for the practised electroanalytical chemist as well as for the neophyte researcher.

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