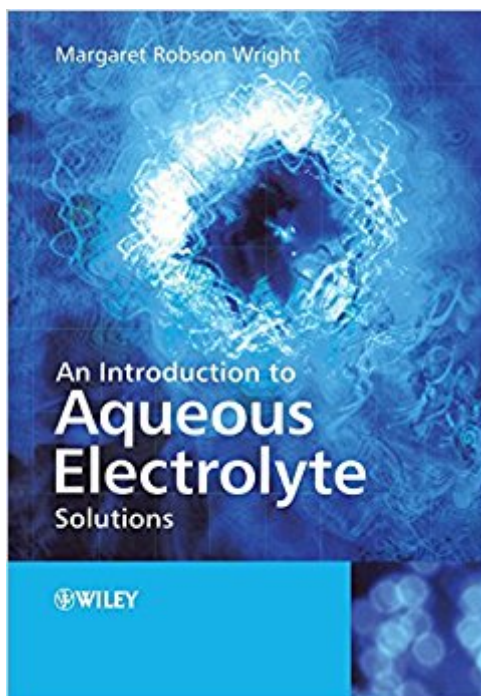


The book was found

An Introduction To Aqueous Electrolyte Solutions



Synopsis

An Introduction to Aqueous Electrolyte Solutions is a comprehensive coverage of solution equilibria and properties of aqueous ionic solutions. Acid/base equilibria, ion pairing, complex formation, solubilities, reversible emfTMs and experimental conductance studies are all illustrated by many worked examples. Theories of non-ideality leading to expressions for activity coefficients, conductance theories and investigations of solvation are described; great care being taken to provide detailed verbal clarification of the key concepts of these theories. The theoretical development focuses on the physical aspects, with the mathematical development being fully explained. An overview of the thermodynamic background is given. Each chapter includes intended learning outcomes and worked problems and examples to encourage student understanding of this multidisciplinary subject. An invaluable text for students taking courses in chemistry and chemical engineering. This book will also be useful for biology, biochemistry and biophysics students who may be required to study electrochemistry as part of their course. A comprehensive introduction to the behaviour and properties of aqueous ionic solutions, including clear explanation and development of key concepts and theories Clear, student friendly style clarifying complex aspects which students find difficult Key developments in concepts and theory explained in a descriptive manner to encourage student understanding Includes worked problems and examples throughout

Book Information

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Customer Reviews

I would like to recommend this book to every chemistry student who shows interest in Analytical and

Physical Chemistry. It contains lots of valuable and solved examples needed for better problem understanding.

An Introduction to Aqueous Electrolyte Solutions is readable and thorough. The over 500 pages are packed with quite a bit of content -- the text definitely isn't an "aqueous solutions lite"-type text. Wright is careful to define terms and point out where assumptions are made. Introductory material isn't neglected and Wright seems to generally exercise care in building on concepts in a systematic manner that is especially likely to aid students or others with only a general chemistry background. The text is well-written and clear, walking through equation derivations in a step-by-step manner that should be accessible to students down to the undergraduate level. The inclusion of 'worked problems' also is a feature which makes the text more useful for use in the classroom setting for courses with substantial physical chemistry or biochemistry content. All good stuff for a course text or as a reference text in a library.

It is a rare find in that it contains good theoretical foundation for electrochemistry which is not found elsewhere, especially regarding non-dc conductance (Debye-Falkenhagen).

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