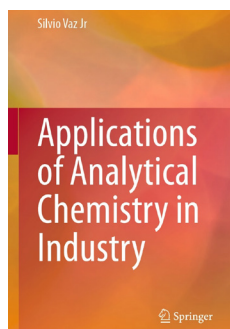


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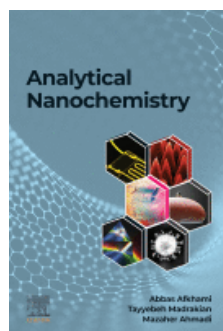


Applications of Analytical Chemistry in Industry

Silvio Vaz Junior, Author

September 2023, Springer Cham

This book deals with analytical techniques and methods applied in several sectors of technology and industry and serves as a concise and up-to-date reference for the practical application of analytical chemistry. Readers will find valuable insights, including real-life examples, of how classical and instrumental techniques can be used by industry, to help professionals in the quality control of raw materials, products and processes, in the assessment of the formulation contamination, environmental pollution and in the evaluation of sustainability, among others. [doi](#)

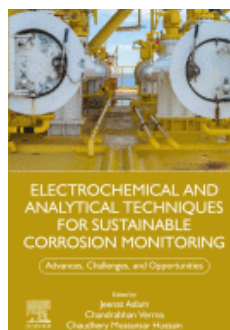


Analytical Nanochemistry

Abbas Afkhami, Tayyebeh Madrakian and Mazaher Ahmadi, Authors

2023 Elsevier

This book provides readers with a comprehensive review of the application of nanomaterial in analytical chemistry. It explains the fundamental concepts involved in utilizing nanomaterials including their classification, synthesis, functionalization, characterization methods, separation, and isolation techniques, as well as toxicity. It also covers fundamental information on different aspects of analytical procedures and method development. Furthermore, it emphasizes micro- and nano-enabled analytical devices and instruments as well as nanotools for nanoanalysis. [doi](#)

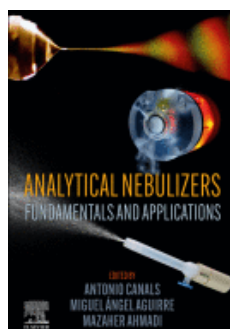


Electrochemical and Analytical Techniques for Sustainable Corrosion Monitoring – Advances, Challenges and Opportunities

Jeenat Aslam, Chandrabhan Verma and Chaudhery Mustansar Hussain, Editors

2023 Elsevier

This is the first book that collectively describes corrosion inhibition measurements using chemical, electrochemical, and analytical methods. The book presents state-of-the-art techniques for corrosion monitoring by providing detailed studies and testing methods. It also covers the most advanced, industry-oriented challenges for sustainable corrosion monitoring and measurements. The book is a valuable resource for scholars in academia, materials science and applied engineering and chemistry students, and corrosion engineers. [doi](#)



Analytical Nebulizers: Fundamentals and Applications

Antonio Canals, Miguel Ángel Aguirre and Mazaher Ahmadi, Editors

2023 Elsevier

Although the book mainly focuses on the application of analytical nebulizers in analytical sciences, specifically in sample preparation, it is also useful to those in other disciplines (e.g., organic chemistry, catalysis, sensors, nanotechnology, biomedicine and nanomedicine, and environmental chemistry) where these nebulizers have great potential. Non-conventional applications of nebulizers such as aerosol-assisted synthesis nanoparticles and ultrasonic nebulization extraction are also presented. [doi](#)