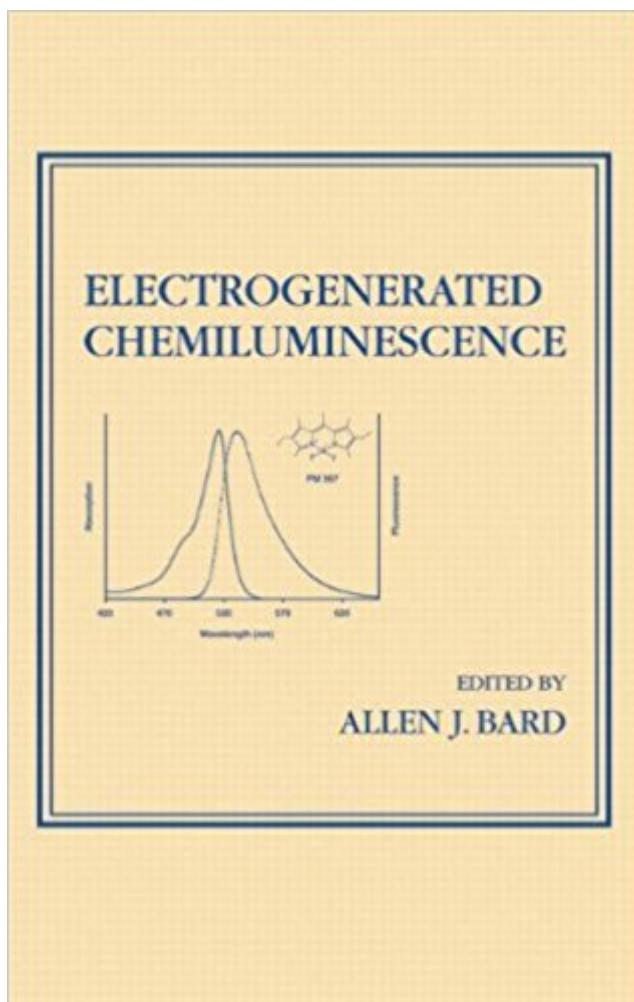


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Electrogenerated Chemiluminescence (Monographs In Electroanalytical Chemistry And Electrochemistry Series)



Synopsis

The first source on this expanding analytical science, this reference explores advances in the instrumentation, design, and application of techniques with electrogenerated chemiluminescence (ECL), examining the use and impact of ECL-based assays in clinical diagnostics, life science research, environmental testing, food and water evaluation, and the detection of biowarfare agents. Compiled by the pioneer of this highly innovative technology, this volume provides contributions from 16 leading authorities. They discuss the simulation of ECL behavior using commercial software, summarize key characteristics of organic ECL systems, and cover developments in metal chelate ECL.

Book Information

Series: Monographs in Electroanalytical Chemistry and Electrochemistry Series

Hardcover: 552 pages

Publisher: CRC Press; 1 edition (July 20, 2004)

Language: English

ISBN-10: 082475347X

ISBN-13: 978-0824753474

Product Dimensions: 1.2 x 6.2 x 9 inches

Shipping Weight: 1.9 pounds

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Best Sellers Rank: #2,614,545 in Books (See Top 100 in Books) #61 in Books > Science & Math > Chemistry > Nuclear Chemistry #109 in Books > Science & Math > Chemistry > Electrochemistry #705 in Books > Science & Math > Chemistry > Physical & Theoretical > Physical Chemistry

Customer Reviews

"This is the first book ever on electrogenerated chemiluminescence (ECL) . [T]he editor is credited as one of the three pioneers in the field. Overall, if I were to use only one word to describe this monograph, it would be 'thorough'. The editor has done an excellent job in selecting the contributing authors, and they, in turn, have captured and presented in an admirable fashion a balanced view of all the theoretical and practical aspects of ECL from the point of scientific discovery to the current level of understanding. I would insist that it be in the must-read list for a wide range of professionals, from physicists to organic chemists to biologists, who work in such diverse areas as light-emitting diodes, combinatorial synthesis, wastewater management, or DNA sequencing." - Journal of the

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