

Electrochemical Science and Technology, by Keith B. Oldham, Jan C. Myland and Alan M. Bond, John Wiley & Sons: Chichester, 2011, paperback, 424 pp., €57.90, ISBN: 978-0-470-71084-5

Good book for a start in electrochemistry but not synthetically oriented

Electrochemistry is an unusually wide and interdisciplinary scientific field representing more than just batteries. Since electric current will be the prime energy of the future, electrosynthetic conversions are very appealing in terms of sustainability. Therefore, a book that covers fundamentals and applications in this respective field is definitely welcome and immediately attracted my attention. The monograph is structured into sixteen chapters which are throughout carefully made and presented in a tutorial fashion.

Despite of the broad field of electrochemistry covered by this book, only Chapter 4 seems to be interesting for a synthetically oriented scientist. Unfortunately, only very few

electroorganic transformations are treated. All chapters are written for an interested scientist invading this field. In particular, topics devoted to mass transport, kinetics and voltammetry are perfectly made for readers who prefer a concise and short approach to physicochemical subjects.

Consequently, the book can be recommended as a good introduction into the physicochemical background of electrochemical transformations and conversions. For electroorganic synthesis, other books should rather be consulted. In this book, mistakes in the figures and the text are very rare and the scholar presentation will give a quick start. Therefore, the monograph will definitely have its place in good libraries and serves as a complementary book for the beginners in the interdisciplinary field of electrochemistry.

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