Additions and Corrections

Ruthenium-Catalyzed Intramolecular [5 + 2] Cycloadditions. [J. Am. Chem. Soc. **2000**, *122*, 2379]. BARRY M. TROST,* F. DEAN TOSTE, AND H. SHEN

The following clarifications should be noted: In paragraph 1, page 2379, the first part of the last sentence should read as follows: The high temperatures and long reaction times for many of the reported intramolecular [5 + 2] cycloadditions of cyclopropyl enynes[6a] and the high cost...

On page 2380, last paragraph, column one, the following first sentence should be added: We adopted a metallacycle mechanism proposed by Wender et al.[6] for the Rh-catalyzed reaction since it intersects our working hypothesis invoking a ruthenacyclopentene intermediate for many of the Ru-catalyzed reactions of enynes.[3,8]

The second sentence of the Acknowledgment should be rephrased to read as follows: We are grateful to Professor Wender and his group for many helpful discussions and especially to C. Husfeld and A. Dyckman of the Wender group for providing some of the substrates for this work.

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Book Reviews

Interfacial Electrochemistry. Theory, Experiment, and Application. Edited by Andrzej Wieckowski (University of Illinois-Urbana-Champaign). Marcel Dekker: New York. 1999. xviii + 966 pp. $235.00. ISBN 0-8247-6000-X.

This volume represents a massive effort on the part of the editor. It contains 51 contributions with an average article size of 19 pages. There are four principal topics: I. Theory and Modeling; II. Electrochemical Surface Science; III. Nonmetallic and Semiconductor Electrodes; and IV. Electrocatalysis. In attempting to cover such a wide range of topics, the volume fails to deal with the subject matter in a very satisfying way. Thus, I suspect that the reader who is interested in theory and modeling would not have much interest in the latter two topics; or similarly, a reader who wants to learn more about electrocatalysis would probably skip section I. From the point of view of the majority of those involved in interfacial electrochemistry, the most important part of this book is section II, which includes presentations on new and important experimental techniques. These include interesting contributions describing sum−difference frequency generation at electrode surfaces, second harmonic generation anisotropy from single-crystal electrode surfaces, and in situ surface X-ray scattering studies of electrosorption. Some of the contributions are repetitive. For example, in section IV, there are three articles dealing with the electrooxidation of methanol in fuel cells. In addition, important experimental techniques are not described in this volume. Although scanning tunneling microscopy and atomic force microscopy are discussed as techniques used in specific areas of interfacial experimentation, there are no contributions that focus on these subjects. Scanning electrochemical microscopy and high frequency ac admittance experiments are not mentioned at all in this volume. They have been used to study the fastest known heterogeneous electron transfer reactions and deserve some place in a modern discussion of this subject. It is also surprising that there is no contribution dealing with self-assembled monolayers, a subject that has attracted considerable attention from experimenters in recent years. Finally, there are definitely some chapters in this volume that could have been left out of a modern survey. These include radiotracer studies, solid-state voltammetry, and surface oxidation of nobel metal electrodes. These subjects have been reviewed frequently in the past or are of peripheral interest to the subject.

In conclusion, this volume is definitely useful as an introduction to the newer techniques and results that are discussed. In these cases, the reader can use the citations to go into a given subject in more detail. However, because no subject was covered in depth in the space allotted, this volume will rapidly lose its usefulness to workers in the field.

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