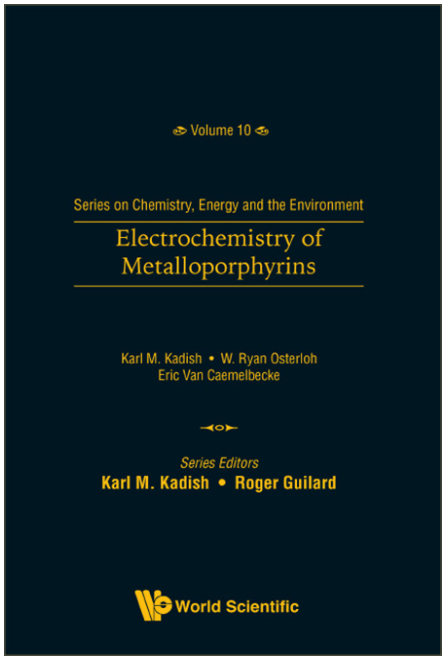
Electrochemistry of Metalloporphyrins

Volume 10



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ABOUT THE BOOK

This book is part of a series of ongoing volumes in the Series on Chemistry, Energy and the Environment, edited by Karl Kadish and Roger Guilard. The current volume on Electrochemistry of Metalloporphyrins covers all aspects of porphyrin electrochemistry in nonaqueous media and should be of benefit and interest to beginning graduate students as well as experienced researchers in many fields of porphyrin chemistry where electrochemistry is known to play a key role in influencing properties of the compounds as well as mechanisms and biological functions. The first half of the book is aimed at non-experts in the field of electrochemistry who would like to begin studies on porphyrin electrochemistry or understand the literature on porphyrin electrochemistry and this is then followed by detailed examples of how changes in the central metal ion of a given metalloporphyrin will affect its redox properties. The scope of the work covers the period in the literature between the mid-1960s and mid-2022 and expands greatly upon several earlier reviews by the senior author which are no longer in print and were never accessible in electronic form. This is the only book of its kind in the field which covers the basic electrochemistry of metalloporphyrins as well as describes the published data as a function of the central metal ion, considering all elements in the periodic table.

READERSHIP

Graduate students and researchers in porphyrin electrochemistry.

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