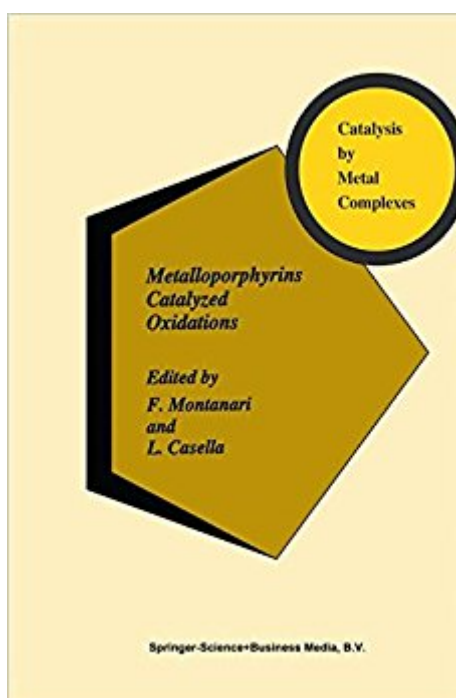




Ebook Directory
the best source of ebook

The book was found

Metalloporphyrins Catalyzed Oxidations (Catalysis By Metal Complexes)



Synopsis

Oxidative catalysis by metalloporphyrin systems occupies a prominent role in the current research in the fields of chemical and biological catalysis. Our particular interest and approach has been to collect in the same volume papers dealing with both the chemical and biological aspects of the reactivity of heme systems because of the realization that a better understanding of the complementary discipline can be extremely useful for the researchers from either field. The current progress of the research on synthetic metalloporphyrin catalysts has led to the development of several systems that are able to reproduce the heme-enzyme mediated oxygenation and oxidation reactions, at least in terms of reaction types, mechanisms and often rates. These achievements have stimulated the of creating metalloporphyrin catalysts which are both ambitious project efficient and stable enough to become competitive for large-scale industrial processes. Although this project is still far from being realized, the efforts in this direction parallel those aimed at the application of heme enzymes to chemical technologies, e. g. for the mild, selective oxidation of organics or the detoxification of pollutants. Both the two approaches will be advantageous because while the enzyme systems can achieve selectivities which are probably unattainable by synthetic catalysts, the latter can be active under experimental conditions that would readily inactivate the enzymes.

Book Information

Series: Catalysis by Metal Complexes (Book 17)

Hardcover: 354 pages

Publisher: Springer; 1994 edition (February 28, 1994)

Language: English

ISBN-10: 0792326571

ISBN-13: 978-0792326571

Product Dimensions: 6.1 x 0.9 x 9.2 inches

Shipping Weight: 1.5 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #10,355,824 in Books (See Top 100 in Books) #56 in Books > Science & Math > Chemistry > Organic > Heterocyclic #1203 in Books > Engineering & Transportation > Engineering > Chemical > Plastics #2793 in Books > Science & Math > Chemistry > Inorganic

Customer Reviews

low price. send it to my grandmother, fast shipping. perfect. Very good for the price.

[Download to continue reading...](#)

Metalloporphyrins Catalyzed Oxidations (Catalysis by Metal Complexes) Transition Metal Complexes as Drugs and Chemotherapeutic Agents (Catalysis by Metal Complexes) Metal-Ligand Multiple Bonds: The Chemistry of Transition Metal Complexes Containing Oxo, Nitrido, Imido, Alkylidene, or Alkylidyne Ligands Metal Catalyzed Reductive C-C Bond Formation: A Departure from Preformed Organometallic Reagents (Topics in Current Chemistry) Organometallics 1: Complexes with Transition Metal-Carbon σ -bonds (Oxford Chemistry Primers) (Vol 1) Molecular Orbitals of Transition Metal Complexes Metal Complexes in Aqueous Solutions (Modern Inorganic Chemistry) Heavy Metal Rhythm Guitar: The Essential Guide to Heavy Metal Rock Guitar (Learn Heavy Metal Guitar) (Volume 1) Organotransition Metal Chemistry: From Bonding to Catalysis Strategies for Palladium-Catalyzed Non-directed and Directed C-H Bond Functionalization (Latest Trends in Palladium Chemistry) Organic Chemistry of Enzyme-Catalyzed Reactions, Revised Edition, Second Edition Organic Chemistry of Enzyme-Catalyzed Reactions, Revised Edition The Organic Chemistry of Enzyme-Catalyzed Reactions Muon-Catalyzed Fusion (Aip Conference Proceedings) The Topology of CW Complexes The Chemistry of Macrocyclic Ligand Complexes (Cambridge Texts in Chemistry and Biochemistry) Precious Metal: Decibel Presents the Stories Behind 25 Extreme Metal Masterpieces Heavy Metal Africa: Life, Passion, and Heavy Metal in the Forgotten Continent Full Metal Jackie Certified: The 50 Most Influential Heavy Metal Songs of the 80s and the True Stories Behind Their Lyrics Progressive Metal Guitar: An Advanced Guide to Modern Metal Guitar

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)