

<<Carbocation Chemistr>>

图书基本信息

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### 内容概要

“ an excellent book , which should be in every good chemistry department library.

” “ The field continues to be of major significance and the book is a valuable volume for those who follow such charged species in catalytic reactions.

” a fascinating collection of review articles on this topic.

A detailed understanding of reactive intermediates is at the heart of chemical transformations , and thus of modern organic synthetic chemistry.

Carbocations are electron deficient species that are the most important intermediates in organic chemistry. This comprehensive review gives practical information on the synthesis , mechanisms , and spectral studies related to carbocation chemistry.

- \* A detailed reference for all aspects of carbocation chemistry.

- \* With numerous classical examples of studies of carbocations to serve as illustrative principles in organic and physical organic chemistry.

- \* Provides insight into future developments in the field and practical applications.

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### 书籍目录

1 Historical perspective 2 100 years of carbocations and their significance in chemistry 3 Zwitterionic “ neutral ” and “ anionic ” carbocation analogs 4 Recent studies of long-lived carbocations and carbocations 5 Antiaromaticity effects in cyclopentadienyl carbocations and free radicals 6 Long-lived carbocations in cold Siberia 7 Polyfluorinated carbocations 8 Carbocations, fast rearrangement reactions, and the isotopic perturbation method 9 Stable ion chemistry of polycyclic aromatic hydrocarbons ( PAHs ) ; modeling electrophiles from carcinogens 10 Chromium tricarbonyl-coordinated carbocations 11 Carbocations in gold chemistry 12 Proton exchange between strong acids and alkanes 13 Electrophilicity scales for carbocations 14 Organic synthesis in superacids

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