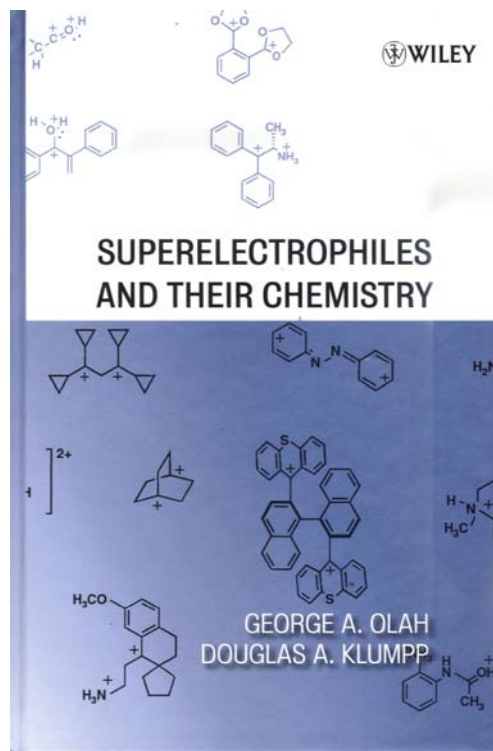


GEORGE A. OLAH AND DOUGLAS A. KLUMPP

SUPERELECTROPHILES AND THEIR CHEMISTRY



The **Superelectrophiles and Their Chemistry** is the first comprehensive book on superelectrophiles and their applications in synthetic and mechanistic organic chemistry.

This reference presents a comprehensive review and discussion of the substantial experimental and theoretical work in the field of superelectrophiles and their reactions in recent years. It covers:

- The differentiation of usual electrophiles from superelectrophiles.
- Ways to increase electrophilic strength.
- The classification into gitonic and distonic superelectrophiles.
- Methods of study, including substituent and solvent effects as well as the role of electrophilic solvation in chemical reactions as studied by kinetic investigations, spectroscopic studies, gas-phase studies, and theoretical methodologies.
- A review of the superelectrophiles that have been identified and studied.
- A discussion of the significance of superelectrophilic chemistry and its future.

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In addition to a discussion of the basics of this emerging field, **Superelectrophiles and Their Chemistry** includes tools to help the reader apply the chemistry. It is an invaluable reference for chemists in academia and research, industrial chemists in pharmaceutical and petrochemical fields, and graduate students studying inorganic and physical organic chemistry.

Table of Contents

Preface

1. General Aspects
2. Study of Superelectrophiles
3. Generating Superelectrophiles
4. Gitonic Geminal Superelectrophiles
5. Gitonic Vicinal Superelectrophiles
6. Gitonic 1,3-Superelectrophiles
7. Distonic Superelectrophiles
8. Significance and Outlook