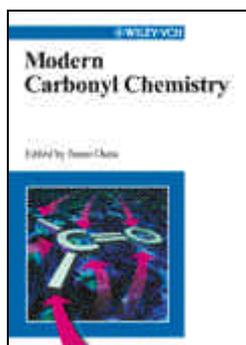


*Book Received**

Modern Carbonyl Chemistry. Edited by Junzo Otera. Wiley-VCH: Weinheim (<http://www.wiley-vch.de/cgi-bin/BD/bd.pl?bdno=vch>). 2000. XIX, 613 pages. Hardcover 298.- DM / 152.36.- EUR / 265.- SFR. ISBN 3-527-29871-1

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The carbonyl group is undoubtedly one of the most important functional groups in organic chemistry, both in its role as reactive center for synthesis or derivatisation and as crucial feature for special structural or physiological properties. Vast and profound progress has been made in all aspects modern carbonyl chemistry. These achievements are, however, rather dispersed in the literature and it is often not easy for the researcher obtain a comprehensive overview of a relevant topic. Modern Carbonyl Chemistry overcomes this inconvenience by collating the information for appropriate themes. In this work internationally renowned experts and leaders in the field have surveyed recent aspects and modern features in carbonyl chemistry, such as cascade-reactions, one-pot-syntheses, recognition, or site differentiation. Below is the Table of Contents:

Carbonyl-Lewis Acid Complexes (K. Maruoka); Carbonyl Recognition (H. Yamamoto); Carbonyl-Carbonyl Coupling (G. C. Fu); Modern Free Radical Methods for the Synthesis of Carbonyl Compounds (I. Ryu); Generation and Use of Highly Reactive Carbonyl Anions for Syntheses (S. Murai); pi-Facial Selectivity (J. M. Coxon); Catalysis Innovations: Asymmetric Non-Linear Catalysis, Auto-Catalysis and Asymmetric Activation of Racemic Catalysts (K. Mikami); Advances in Aldol Addition Reactions (E. Carreira); Stereoselective Aldol Reactions in the Total Synthesis of Polyketide Natural Products (I. Paterson); Allylation of Carbonyls - Methodology and Stereochemistry (S. E. Denmark); Recent Applications of the Allylation Reaction in the Total Synthesis of Natural Products (W. R. Roush); Asymmetric Michael-Type Addition Reaction (K. Tomioka); Stereoselective Radical Reac-

tions (M. P. Sibi); Aqueous Carbonyl Reaction (S. Kobayashi); Solid State Chemistry of Carbonyl Compounds (F. Toda).

**Editor's Note:* The brief summary and the contents of the books are reported as provided by the author or the publishers. Authors and publishers are encouraged to send review copies of their recent books of potential interest to readers of *Molecules* to the Editor-in-Chief (Dr. Shu-Kun Lin, MDPI, Saengergasse 25, CH-4054 Basel, Switzerland. Tel. +41 79 322 3379, Fax +41 61 302 8918, E-mail: molinfo@mdpi.org). Some books will be offered to the scholarly community for the purpose of preparing full-length reviews.

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