# Contemporary Organic Synthesis

## A journal of current developments in Organic Synthesis

VOLUME 1 NUMBER 5

CONTENTS

$$R^{1}$$
 $R^{2}$ 
 $R^{3}$ 
 $R^{3}$ 

Recent developments in asymmetric aldol 317 methodology

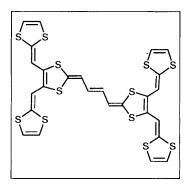
By Alison S. Franklin and Ian Paterson

Reviewing the literature published up to the end of 1993

Main group organometallics in synthesis 339

By Martin Wills

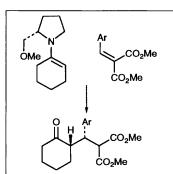
Reviewing the literature published between July 1992 and December 1993



Synthesis of materials for molecular electronic applications 367

By Martin C. Grossel\* and Simon C. Weston

Reviewing the literature published between mid-1992 and December 1993



Control of asymmetry through conjugate 387 addition reactions

By John Leonard

Reviewing the literature published up to the end of March 1994

## **Cumulative Contents of Volume 1**

## Number 1

- 1 Aldehydes and ketones (July 1992 to June 1993) Patrick G. Steel
- 23 Saturated oxygen heterocycles (January 1992 to March 1993) Christopher J. Burns
- 31 Noncovalent design principles and the new synthesis Mark Mascal
- 47 Recent progress in the synthesis of taxanes (January 1991 to July 1993) A. N. Boa, P. R. Jenkins, and N. J. Lawrence

#### Number 2

- 77 Catalytic applications of transition metals in organic synthesis (1 July 1992 to 31 August 1993) Graham J. Dawson and Jonathan M. J. Williams
- 95 Saturated nitrogen heterocycles (January 1992 to May 1993) John Steele
- 113 Organic halides (1 July 1992 to 30 June 1993) P. L. Spargo
- 25 Stoichiometric applications of organotransition metal complexes in organic synthesis (1 July 1992 to 31 August 1993)
  Julian Blagg

#### Number 3

- 145 Recent developments in indole ring synthesis—methodology and applications (1990 to 1993) Gordon W. Gribble
- 173 Saturated and unsaturated hydrocarbons (1 July 1992 to 1 September 1993) R. P. C. Cousins
- 191 Thiols, sulfides, sulfoxides, and sulfones (July 1992 to September 1993) Christopher M. Rayner
- 205 Synthesis of five-membered aromatic heterocycles (July 1991 to June 1993) Thomas L. Gilchrist

#### Number 4

- 219 The role of zinc carbenoids in organic synthesis (up to February 1994) W. B. Motherwell and C. J. Nutley
- 243 Alcohols, phenols, and ethers (July 1992 to July 1993) Joseph Sweeney
- 259 Synthetic developments in host-guest chemistry (July 1992 to December 1993) Jeremy D. Kilburn and Hitesh K. Patel
- 287 Synthetic approaches to butenolides (1976 to 1992) D. W. Knight

### Number 5

- 317 Recent developments in asymmetric aldol methodology (up to the end of 1993) Alison S. Franklin and Ian Paterson
- 339 Main group organometallics in synthesis (July 1992 to December 1993) Martin Wills
- 367 Synthesis of materials for molecular electronic applications (mid-1992 to December 1993) Martin C. Grossel and Simon C. Weston
- 387 Control of asymmetry through conjugate addition reactions (up to the end of March 1994) John Leonard

## Articles that will appear in forthcoming issues include

Recent developments in the synthesis of medium ring ethers (October 1990 to June 1994) Mark C. Elliott

Saturated and partially unsaturated carbocycles C. Boden and G. Pattenden

Amines and amides (July 1992 to December 1993) Michael North

The synthesis of natural  $\beta$ -lactam antibiotics (up to February 1994) Robert Southgate