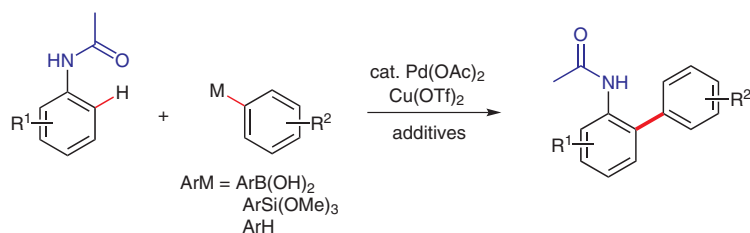
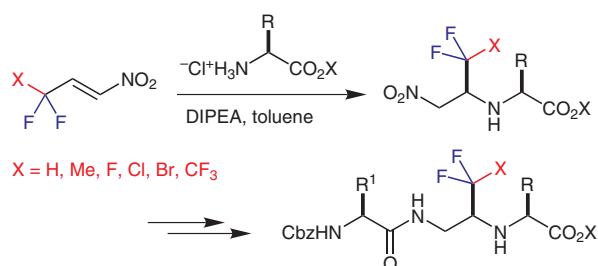
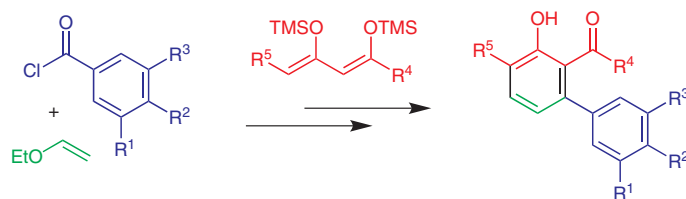


949 B.-J. Li  
S.-D. Yang  
Z.-J. Shi\*

## Recent Advances in Direct Arylation via Palladium-Catalyzed Aromatic C–H Activation

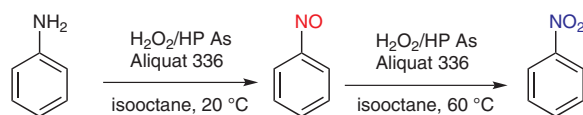
958 S. Bigotti  
A. Volonterio\*  
M. Zanda\*The Influence of Fluoroalkyl-Group Electronegativity on Stereocontrol in the Synthesis of  $\psi$ [CH(R<sub>F</sub>)NH]Gly Peptides963 G. Mroß  
H. Reinke  
P. Langer\*

## Synthesis of Functionalized Biaryls Based on a Heck Cross-Coupling–[3+3] Cyclization Strategy



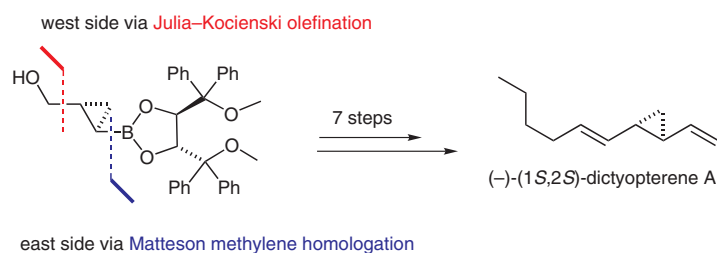
967 P. Tundo\*  
G. P. Romanelli  
P. G. Vázquez  
A. Loris  
F. Aricò

**Multiphase Oxidation of Aniline to Nitrosobenzene with Hydrogen Peroxide Catalyzed by Heteropolyacids**



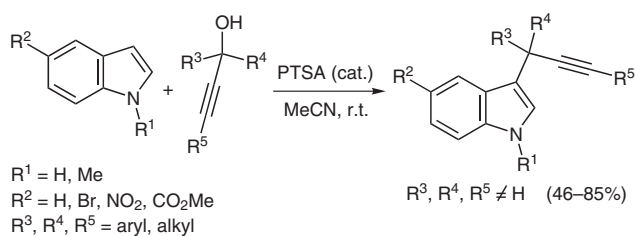
971 E. Hohn  
J. Paleček  
J. Pietruszka\*

**Synthesis of Dictyoptere A**



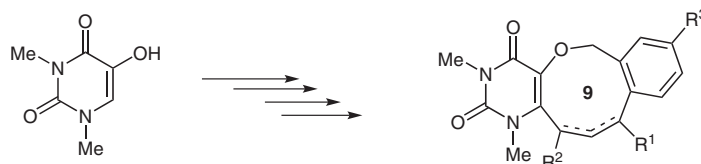
975 R. Sanz\*  
D. Miguel  
J. M. Álvarez-Gutiérrez  
F. Rodríguez

**Brønsted Acid Catalyzed C3-Selective Propargylation and Benzylation of Indoles with Tertiary Alcohols**

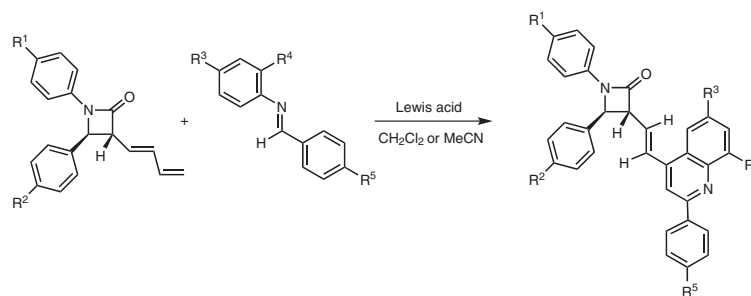


979 K. C. Majumdar\*  
B. Chattopadhyay

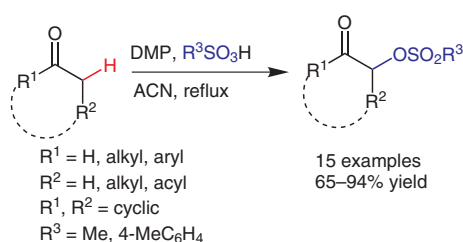
**Novel Synthesis of Nine-Membered Oxa-Heterocycles by Pd(0)-Catalyzed Intramolecular Heck Reaction via Unusual 9-endo-trig-Mode Cyclization**



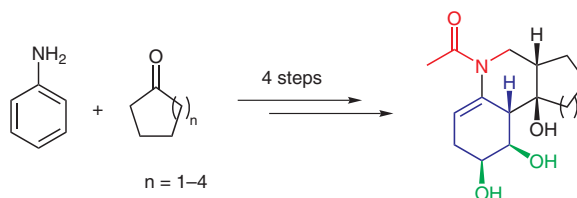
- 983 G. Bhargava  
M. P. Mahajan\*  
T. Saito
- Regio- and Chemoselective Unprecedented Imino-Diels–Alder Reactions of 1-Substituted Unactivated Dienes with *N*-Aryl Imines – Part II<sup>1</sup>**



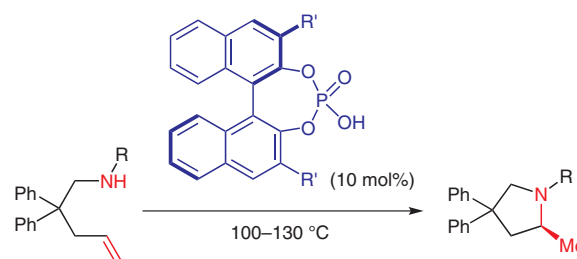
- 987 U. S. Mahajan  
K. G. Akamanchi\*
- A New Application of Hypervalent Iodine ( $\lambda^5$ ) Reagents with Organosulfonic Acids for Direct  $\alpha$ -Organosulfonyloxylation Carbonyl Compounds**



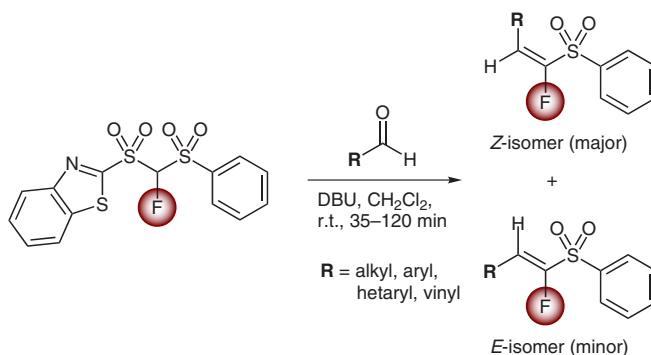
- 991 R. S. Kumaran  
I. Brüdgam  
H.-U. Reissig\*
- Modular and Stereoselective Synthesis of Hydroxylated Angularly Fused Tricyclic Piperidine Derivatives via Samarium Diiodide Mediated Cyclization**



- 995 L. Ackermann\*  
A. Althammer
- Phosphoric Acid Diesters as Efficient Catalysts for Hydroaminations of Nonactivated Alkenes and an Application to Asymmetric Hydroaminations**



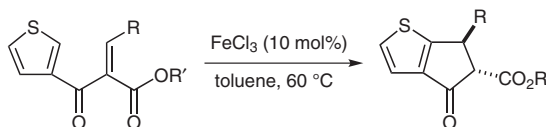
999 M. He  
A. K. Ghosh  
B. Zajc\* **Julia Olefination as a General Route to Phenyl ( $\alpha$ -Fluoro)vinyl Sulfones**



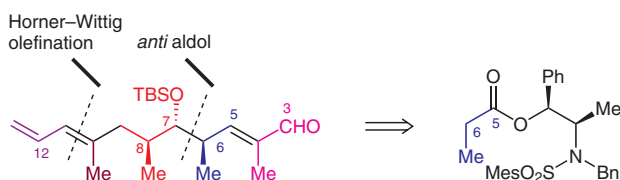
1005 A. Siegmund  
D. Retz  
N. Xi  
C. Dominguez  
R. Bürli  
L. Liu\* **Selective  $\beta$ -Hydroxyethylation at the N-1 Position of a Pyrazolone: Synthesis of Benzyl 1-( $\beta$ -Hydroxyethyl)-5-methyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazole-4-carboxylate**



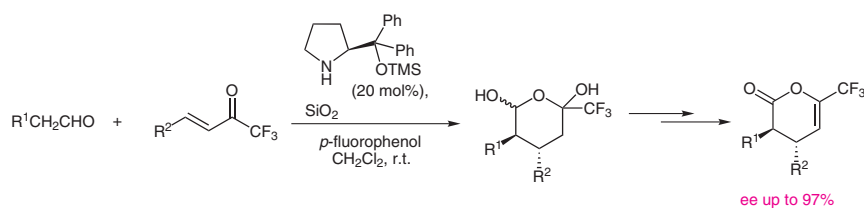
1009 M. Kawatsura  
Y. Higuchi  
S. Hayase  
M. Nanjo  
T. Itoh\* **Iron(III) Chloride Catalyzed Nazarov Cyclization of 3-Substituted Thiophene Derivatives**



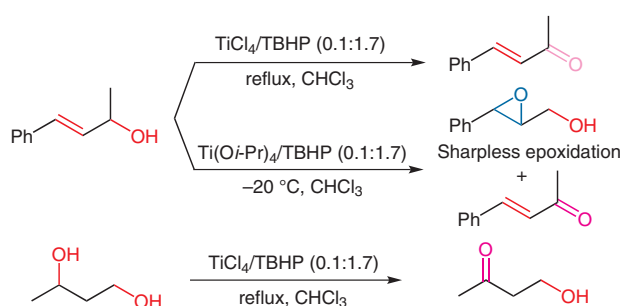
1013 W.-M. Dai\*  
G. Feng  
J. Wu  
L. Sun **Synthesis of C3–C12 Fragment of 24-Demethylbafilomycin C<sub>1</sub> via *anti*-Selective Aldol Condensation as the Key Stereocontrol Step**



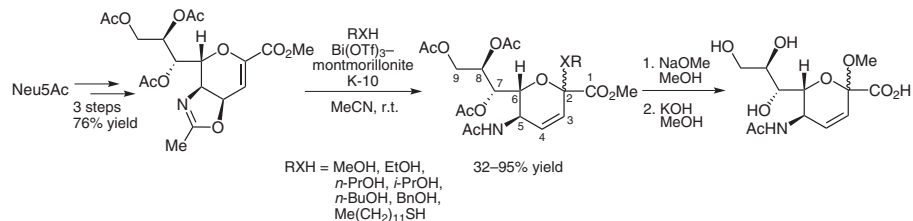
- 1017** Y. Zhao  
X.-J. Wang  
J.-T. Liu\* **Organocatalyzed Asymmetric Inverse-Electron-Demand Hetero-Diels–Alder Reaction of  $\alpha,\beta$ -Unsaturated Trifluoromethyl Ketones and Aldehydes**



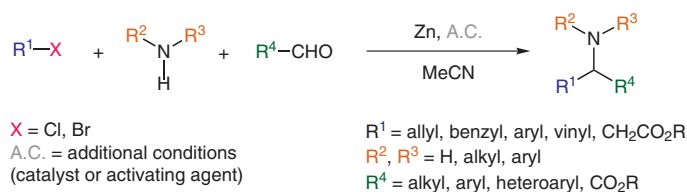
- 1021** C.-T. Shei  
H.-L. Chien  
K. Sung\* **TiCl<sub>4</sub>/tert-Butyl Hydroperoxide: Chemoselective Oxidation of Secondary Alcohols and Suppression of Sharpless Epoxidation**



- 1027** K. Ikeda\*  
Y. Ueno  
S. Kitani  
R. Nishino  
M. Sato **Ferrier Glycosylation Reaction Catalyzed by Bi(OTf)<sub>3</sub>–Montmorillonite K-10: Efficient Synthesis of 3,4-Unsaturated Sialic Acid Derivatives**

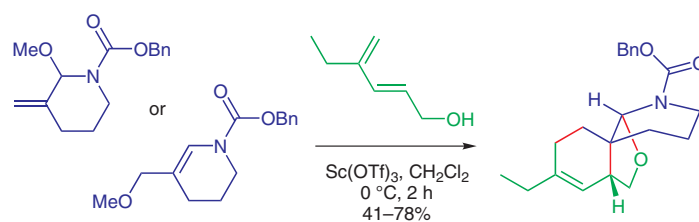


- 1031** S. Sengmany  
E. Le Gall\*  
M. Troupel **An Expedient Three-Component Approach to the Synthesis of  $\alpha,\alpha$ -Disubstituted Amines under Barbier-like Conditions**



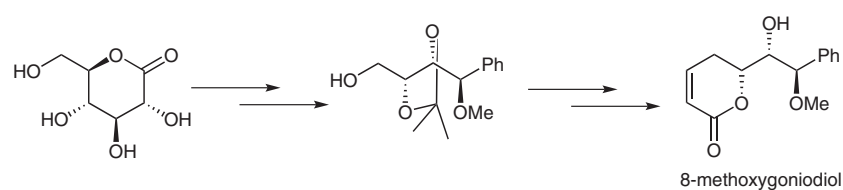
- 1036** P. D. O'Connor  
K. Körber  
M. A. Brimble\*

### Novel Use of *N*-Carboalkoxy $\alpha,\beta$ -Unsaturated Iminium Ions as Dienophiles in Diels–Alder Reactions



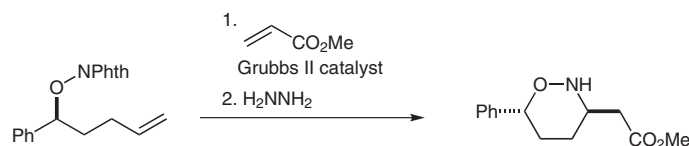
- 1039** J. S. Yadav\*  
B. M. Rao  
K. Sanjeevarao  
B. V. S. Reddy

### Total Synthesis of 8-Methoxygoniodiol via Chiron Approach



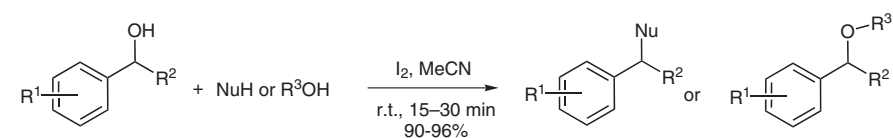
- 1042** R. W. Bates\*  
R. H. Snell  
S. Winbush

### Synthesis of *N,O*-Heterocycles by Intramolecular Conjugate Addition of a Hydroxylamine



- 1045** P. Srihari\*  
D. C. Bhunia  
P. Sreedhar  
J. S. Yadav

### Iodine-Catalyzed Nucleophilic Substitution Reactions of Benzylic Alcohols



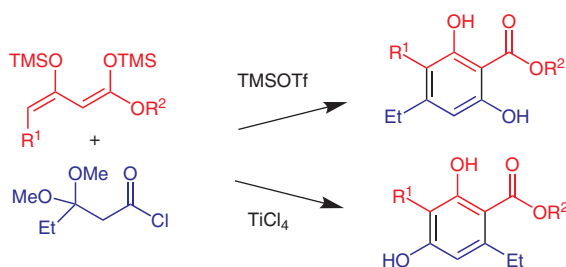
$\text{R}^1 = \text{H, OH, OMe}$

$\text{R}^2 = \text{Ph, Me}$

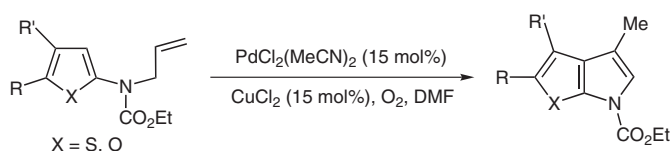
$\text{NuH} = \text{naphth-2-ol, indole, resorcinol, anisole, } p\text{-cresol}$

$\text{R}^3 = \text{allyl, propargyl, 3-benzyloxypropyl}$

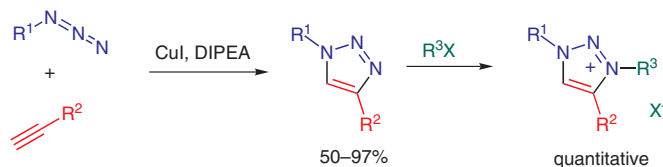
- 1050** M. Sher  
P. Langer\* **Regioselective Synthesis of Functionalized Resorcins by Cyclization of 1,3-Bis(trimethylsilyloxy)-1,3-butadienes with 3,3-Dimethoxypentanoyl Chloride**



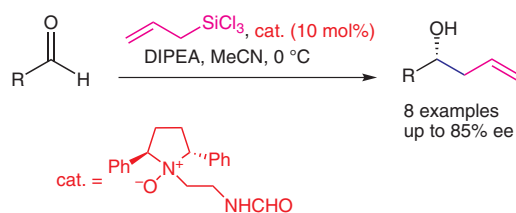
- 1053** E. M. Beccalli  
E. Borsini  
G. Brogini\*  
M. Rigamonti  
S. Sottocornola **Intramolecular Palladium-Catalyzed Oxidative Coupling on Thiophene and Furan Rings: Determinant Role of the Electronic Availability of the Heterocycle**



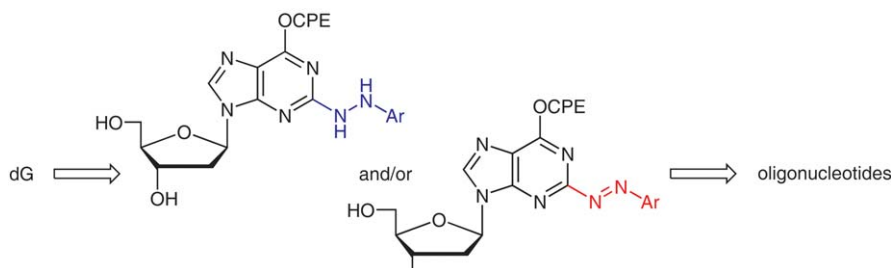
- 1058** S. Hanelt  
J. Liescher\* **A Novel and Versatile Access to Task-Specific Ionic Liquids Based on 1,2,3-Triazolium Salts**



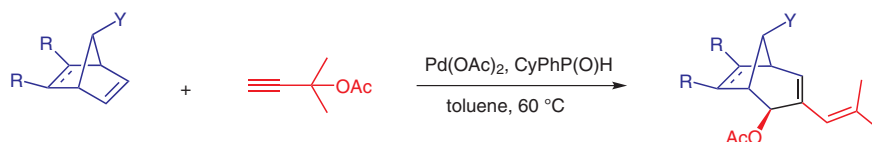
- 1061** V. Simonini  
M. Benaglia\*  
L. Pignataro  
S. Guizzetti  
G. Celentano **A New Class of Chiral Lewis Basic Metal-Free Catalysts for Stereoselective Allylations of Aldehydes**



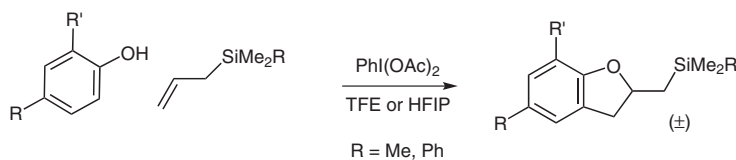
- 1066** N. Böge  
M. Schröder  
C. Meier\* **First Route to Phosphoramidites of *N*<sup>2</sup>-Hydrazinoaryl- and *N*<sup>2</sup>-Azoaryl-dG Adducts and Their Site-Selective Incorporation into DNA Oligonucleotides**



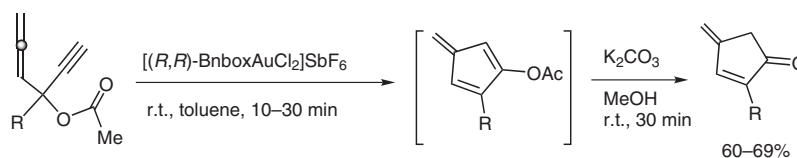
- 1071** J. Bigeault  
I. de Riggi  
Y. Gimbert  
L. Giordano\*  
G. Buono\* **Tandem [2+1] Cycloaddition–Ring Expansion of Bicyclic Alkenes with Tertiary Propargylic Acetates Catalyzed by Palladium(II)-Coordinated Phosphinous Acid**



- 1076** D. Bérard  
L. Racicot  
C. Sabot  
S. Canesi\* **Formal [2+3] Cycloaddition between Substituted Phenols and Allylsilane**

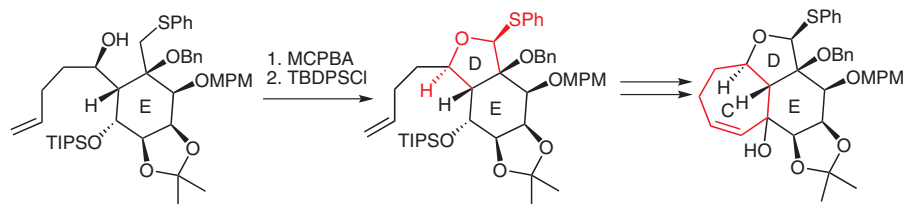


- 1081** K. Kato\*  
T. Kobayashi  
T. Fujinami  
S. Motodate  
T. Kusakabe  
T. Mochida  
H. Akita\* **New Cationic Bisoxazoline–Au(III) Complex Catalyzed Cycloisomerization of 1-Allenyl-1-ethynyl Acetate**



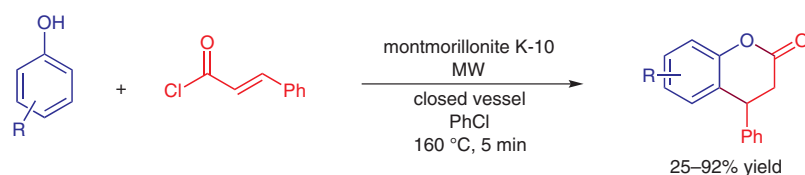
1086 S. Kobayashi\*  
A. Ishii  
M. Toyota

### Construction of the CDE-Ring Framework of Erinacine E through a Pummerer-Type Cyclization



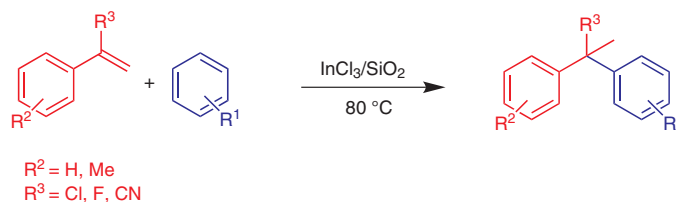
1091 Z. Zhang  
Y. Ma\*  
Y. Zhao

### Microwave-Assisted One-Pot Synthesis of Dihydrocoumarins from Phenols and Cinnamoyl Chloride



1096 G. Sun  
H. Sun  
Z. Wang\*  
M.-M. Zhou\*

### A Novel $\text{InCl}_3/\text{SiO}_2$ -Catalyzed Hydroarylation of Arenes with Styrenes under Solvent-Free Conditions



1101 Compiled by  
D. A. Gamba Sanchez\*

### Hydrogen Peroxide: A Versatile Reagent in Organic Synthesis

1103 Compiled by  
Y.-H. Liu\*

**Magtrieve™ (CrO<sub>2</sub>): A Versatile Oxidant in Organic Synthesis**

**XVII**

**Forthcoming Articles**

**Author Index**

- |                              |                      |                      |                         |
|------------------------------|----------------------|----------------------|-------------------------|
| Ackermann, L. 995            | Ghosh, A. K. 999     | Majumdar, K. C. 979  | Siegmund, A. 1005       |
| Akamanchi, K. G. 987         | Gimbert, Y. 1071     | Meier, C. 1066       | Simonini, V. 1061       |
| Akita, H. 1081               | Giordano, L. 1071    | Miguel, D. 975       | Snell, R. H. 1042       |
| Althammer, A. 995            | Guizzetti, S. 1061   | Mochida, T. 1081     | Sottocornola, S. 1053   |
| Álvarez-Gutiérrez, J. M. 975 |                      | Motodate, S. 1081    | Sreedhar, P. 1045       |
| Aricò, F. 967                | Hanelt, S. 1058      | Mroß, G. 963         | Srihari, P. 1045        |
|                              | Hayase, S. 1009      |                      | Sun, G. 1096            |
| Bates, R. W. 1042            | He, M. 999           | Nanjo, M. 1009       | Sun, H. 1096            |
| Beccalli, E. M. 1053         | Higuchi, Y. 1009     | Nishino, R. 1027     | Sun, L. 1013            |
| Benaglia, M. 1061            | Hohn, E. 971         |                      | Sung, K. 1021           |
| Bérard, D. 1076              |                      | O'Connor, P. D. 1036 |                         |
| Bhargava, G. 983             | Ikeda, K. 1027       |                      | Toyota, M. 1086         |
| Bhunia, D. C. 1045           | Ishii, A. 1086       | Paleček, J. 971      | Troupel, M. 1031        |
| Bigeault, J. 1071            | Itoh, T. 1009        | Pietruszka, J. 971   | Tundo, P. 967           |
| Bigotti, S. 958              |                      | Pignataro, L. 1061   |                         |
| Böge, N. 1066                | Kato, K. 1081        |                      | Ueno, Y. 1027           |
| Borsini, E. 1053             | Kawatsura, M. 1009   | Racicot, L. 1076     |                         |
| Brimble, M. A. 1036          | Kitani, S. 1027      | Rao, B. M. 1039      | Vázquez, P. G. 967      |
| Broggini, G. 1053            | Kobayashi, S. 1086   | Reddy, B. V. S. 1039 | Volonterio, A. 958      |
| Brüdgam, I. 991              | Kobayashi, T. 1081   | Reinke, H. 963       |                         |
| Buono, G. 1071               | Körber, K. 1036      | Reissig, H.-U. 991   | Wang, X.-J. 1017        |
| Bürli, R. 1005               | Kumaran, R. S. 991   | Retz, D. 1005        | Wang, Z. 1096           |
|                              | Kusakabe, T. 1081    | Rigamonti, M. 1053   | Winbush, S. 1042        |
| Canesi, S. 1076              |                      | Rodríguez, F. 975    | Wu, J. 1013             |
| Celentano, G. 1061           | Langer, P. 963, 1050 | Romanelli, G. P. 967 |                         |
| Chattopadhyay, B. 979        | Le Gall, E. 1031     |                      | Xi, N. 1005             |
| Chien, H.-L. 1021            | Li, B.-J. 949        | Sabot, C. 1076       |                         |
|                              | Liebscher, J. 1058   | Saito, T. 983        | Yadav, J. S. 1039, 1045 |
| Dai, W.-M. 1013              | Liu, J.-T. 1017      | Sanjeevarao, K. 1039 | Yang, S.-D. 949         |
| de Riggi, I. 1071            | Liu, L. 1005         | Sanz, R. 975         |                         |
| Dominguez, C. 1005           | Liu, Y.-H. 1103      | Sato, M. 1027        | Zajc, B. 999            |
|                              | Loris, A. 967        | Schröder, M. 1066    | Zanda, M. 958           |
| Feng, G. 1013                |                      | Sengmany, S. 1031    | Zhang, Z. 1091          |
| Fujinami, T. 1081            | Ma, Y. 1091          | Shei, C.-T. 1021     | Zhao, Y. 1017, 1091     |
|                              | Mahajan, M. P. 983   | Sher, M. 1050        | Zhou, M.-M. 1096        |
| Gamba Sanchez, D. A. 1101    | Mahajan, U. S. 987   | Shi, Z.-J. 949       |                         |