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# SYNLETT

*Accounts and Rapid Communications in Synthetic Organic Chemistry*

## Synpacts

*W. Zhao, J. Sun*

New Strategies for Medium- and Large-Ring Lactone Synthesis

*K. N. Baryal, J. Zhu*

Stereoselective Synthesis of S-Linked 2-Deoxy Sugars

## Accounts

*Y. Cao, X.-Y. Wang, J.-Y. Wang, J. Pei*  
Iron(III) Chloride Promoted Cyclization:  
A Facile Approach to Polycyclic  
Aromatics for Functional Materials

*G. M. Burslem, A. J. Wilson*  
Synthesis of Oligobenzamide  $\alpha$ -Helix  
Mimetics

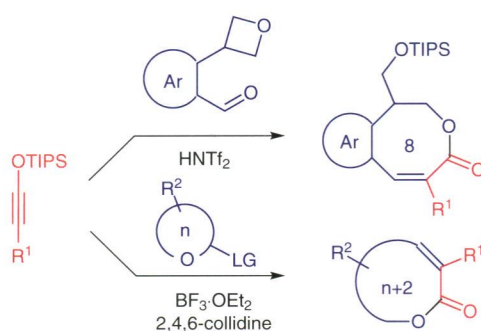
2014 • Vol. 25, 303–456

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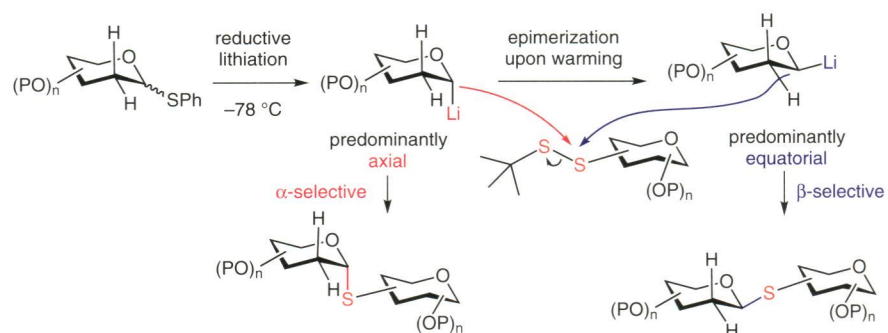
303 W. Zhao  
J. Sun\*

### New Strategies for Medium- and Large-Ring Lactone Synthesis



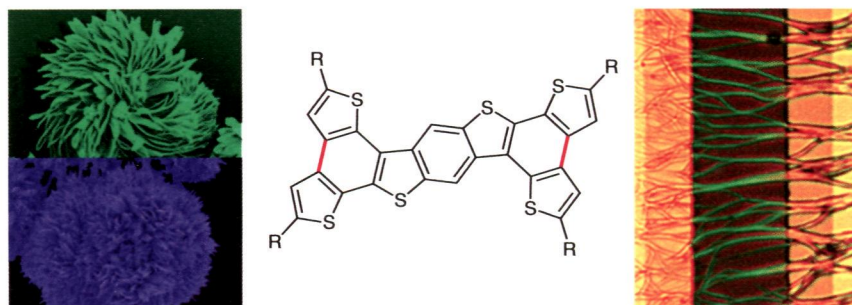
308 K. N. Baryal  
J. Zhu\*

### Stereoselective Synthesis of S-Linked 2-Deoxy Sugars



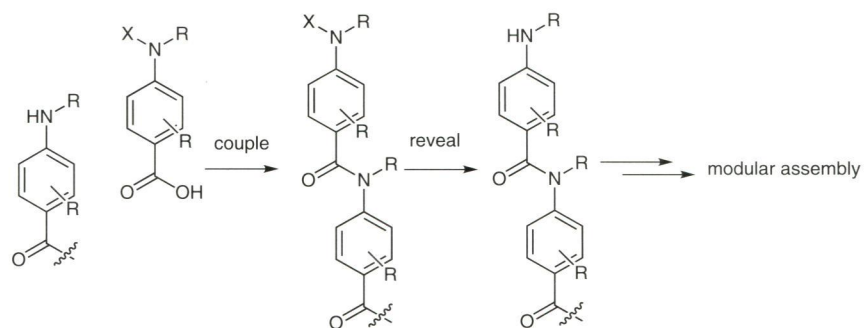
313 Y. Cao  
X.-Y. Wang  
J.-Y. Wang\*  
J. Pei\*

### Iron(III) Chloride Promoted Cyclization: A Facile Approach to Polycyclic Aromatics for Functional Materials



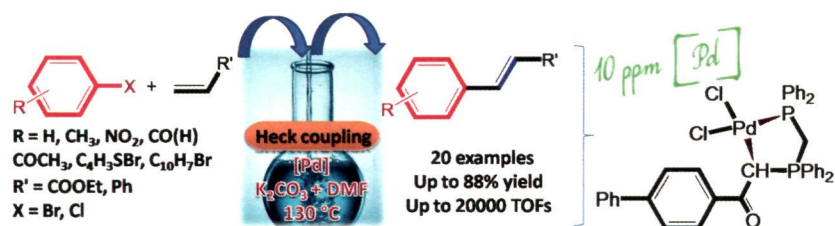
- 324 G. M. Burslem  
A. J. Wilson\*

### Synthesis of Oligobenzamide $\alpha$ -Helix Mimetics



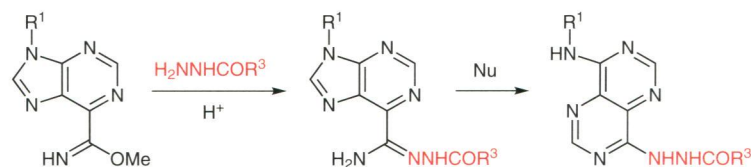
- 336 S. J. Sabounchei\*  
M. Ahmadi  
T. Azizi  
M. Panahimehr

### A Robust, Moisture- and Air-Stable Phosphine Mono-Ylide Palladacycle Precatalyst: A Simple and Highly Efficient System for Mizoroki–Heck Reactions



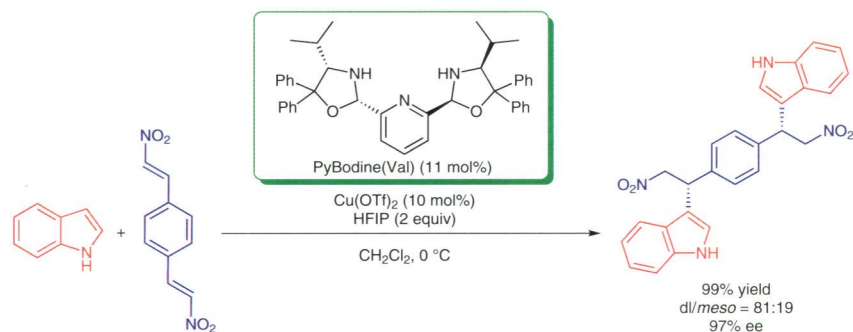
- 343 A. Rocha  
A. H. Bacelar  
J. Fernandes  
M. F. Proenca  
M. A. Carvalho\*

### 6-Carbohydrazonamidepurines: Convenient Precursors for 4,8-Disubstituted Pyrimido[5,4-*d*]pyrimidines



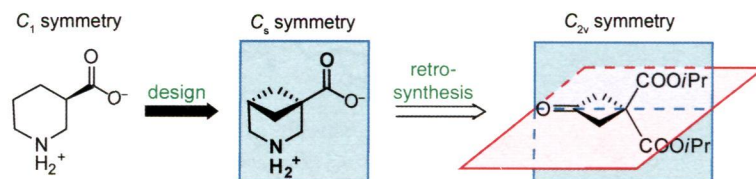
- 349 T. Sato  
T. Arai\*

### Chiral Bis(oxazolidine)pyridine–Copper-Catalyzed Enantioselective Friedel–Crafts Alkylation of Indoles with Nitroalkenes



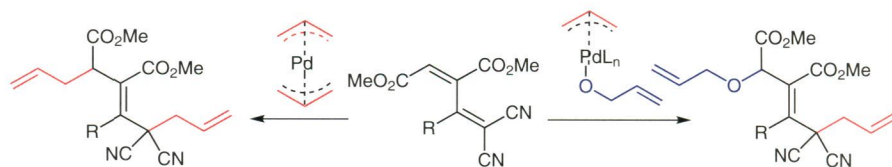
- 355 A. V. Tymtsunik  
V. A. Bilenko  
O. O. Grygorenko\*  
I. V. Komarov

### Gram-Scale Synthesis of 3,5-Methanonipecotic Acid, a Nonchiral Bicyclic $\beta$ -Amino Acid



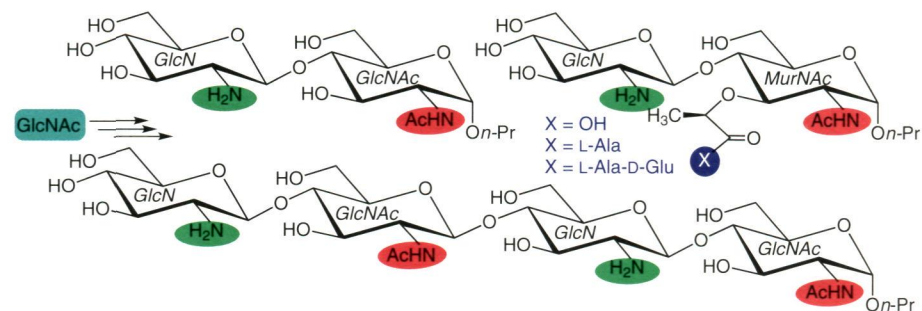
- 359 T. V. Baiju  
A. Vijayan  
N. Joseph  
P. Preethalayam  
K. V. Radhakrishnan\*  
E. Suresh  
Y. Yamamoto\*

### Bis-Functionalization of 1,3-Dienes through 1,4-Conjugate Addition of Amphiphilic Bis- $\pi$ -Allyl and Related Palladium Intermediates



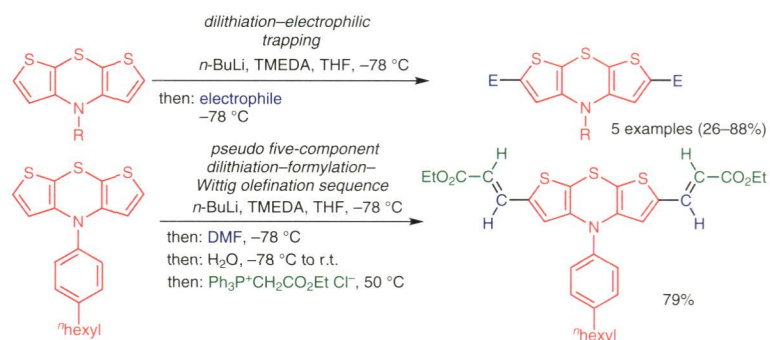
- 365 E. Bedini\*  
L. Cirillo  
R. Marchetti  
S. Basso  
D. Tufano  
A. Molinaro  
M. Parrilli

### Synthesis of Partially N-Acetylated Chitooligosaccharides and Muropeptides



- 371 C. Dostert  
D. Czajkowski  
T. J. J. Müller\*

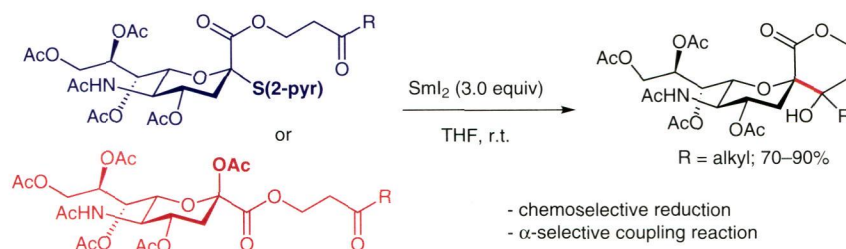
### 2,6-Difunctionalization of N-Substituted Dithienothiazines via Dilithiation



375

J. Pezzotta  
D. Urban  
R. Guillot  
G. Doisneau\*  
J.-M. Beau\*

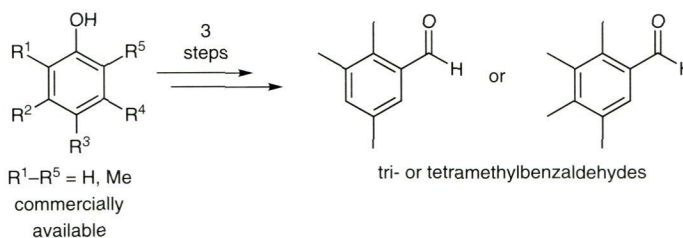
### Synthesis of Spirolactonic C-Sialosides Induced by Samarium Diodide



381

P. Dhankher  
T. D. Sheppard\*

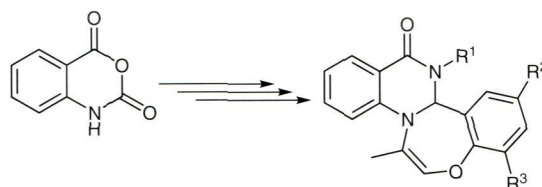
### A Convenient Synthesis of Tri- and Tetramethylbenzaldehydes from Readily Available Phenols



385

M. Mahdavi  
N. Foroughi  
M. Saeedi  
M. Karimi  
H. Alinezhad  
A. Foroumadi  
A. Shafiee  
T. Akbarzadeh\*

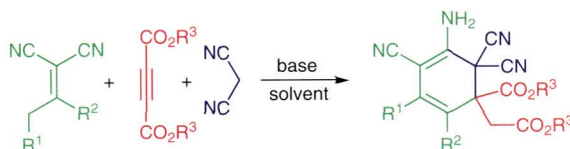
### Synthesis of Novel Benzo[6,7][1,4]oxazepino[4,5-*a*]quinazolinone Derivatives via Transition-Metal-Free Intramolecular Hydroamination



389

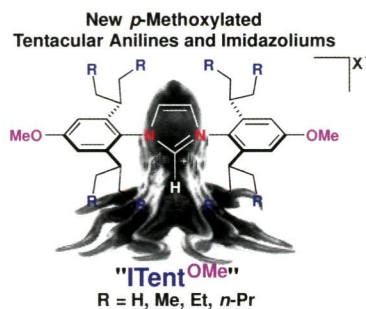
A. Alizadeh\*  
H. Sedighian  
F. Bayat

### A Convenient Approach to the Synthesis of Novel Substituted Cyclohexadienes by the Vinylogous Michael Addition of $\alpha,\alpha$ -Dicyanoolefins



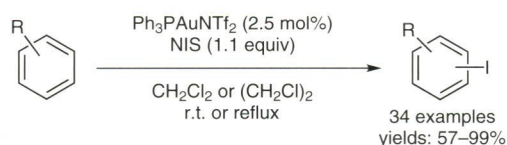
393 S. Meiries  
S. P. Nolan\*

### A New Synthetic Route to *p*-Methoxy-2,6-disubstituted Anilines and their Conversion into *N*-Heterocyclic Carbene Precursors



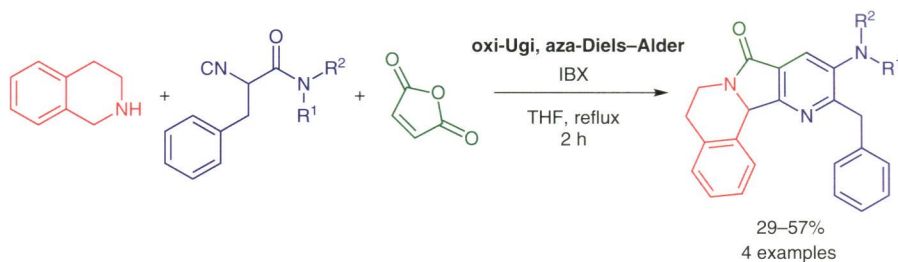
399 D. Leboeuf  
J. Ciesielski  
A. J. Frontier\*

### Gold(I)-Catalyzed Iodination of Arenes



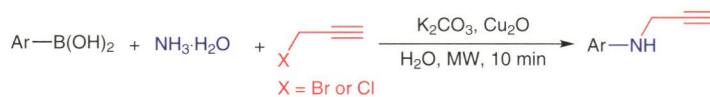
403 A. Islas-Jácome  
A. Gutiérrez-Carrillo  
M. A. García-Garibay  
E. González-Zamora\*

### One-Pot Synthesis of Nuevamine Aza-Analogues by Combined Use of an Oxidative Ugi Type Reaction and Aza-Diels–Alder Cycloaddition



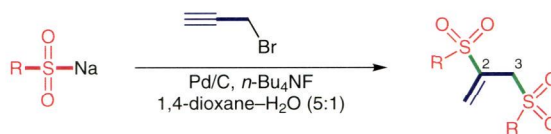
407 Y. Jiang\*  
S. Huang

### A Microwave-Assisted Three-Component Synthesis of Arylaminoethyl Acetylenes: A Facile Access to Terminal Alkynes



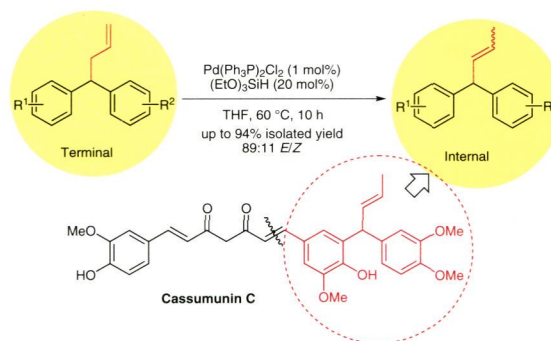
- 411 M.-Y. Chang\*  
M.-H. Wu

### Reactions of Propargylic Bromides with Sodium Sulfinates



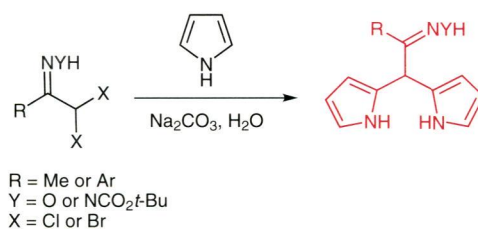
- 417 X.-F. Bai  
T. Song  
W.-H. Deng  
Y.-L. Wei  
L. Li\*  
C.-G. Xia  
L.-W. Xu\*

### ( $\text{EtO}$ ) $_3\text{SiH}$ -Promoted Palladium-Catalyzed Isomerization of Olefins: Convenient Synthesis of Internal Alkenes from Terminal Alkenes



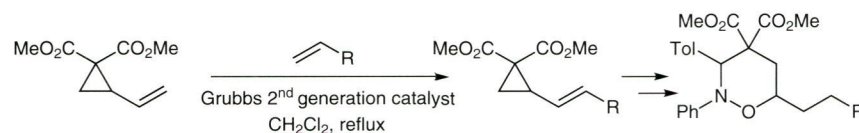
- 423 N. A. M. Pereira  
S. M. M. Lopes  
A. Lemos\*  
T. M. V. D. Pinho e Melo\*

### On-Water Synthesis of Dipyrrromethanes via Bis-Hetero-Diels–Alder Reaction of Azo- and Nitrosoalkenes with Pyrrole



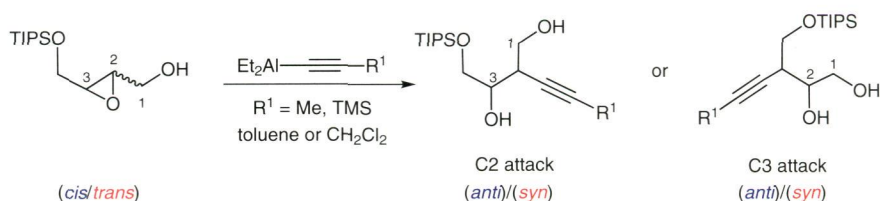
- 428 M. R. Vriesen  
H. K. Grover  
M. A. Kerr\*

### Advancing the Reactivity of Dimethylcyclopropane-1,1-dicarboxylates via Cross Metathesis



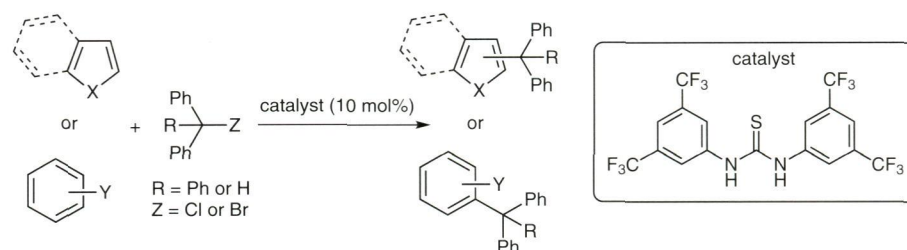
- 433 J. A. Prieto\*  
J. R. Torres  
R. Rodríguez-Berrios

### Regiocontrolled Ring Opening of Monoprotected 2,3-Epoxy-1,4-diols by Using Alkynyl Aluminum Reagents: Synthesis of Differentially Monoprotected Alkynyl Triol Derivatives



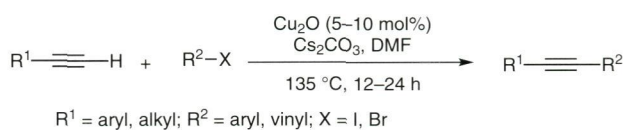
- 438 N. Watanabe  
A. Matsugi  
K. Nakano  
Y. Ichikawa  
H. Kotsuki\*

### Organocatalytic Friedel–Crafts Benzylation of Heteroaromatic and Aromatic Compounds via an $S_N1$ Pathway



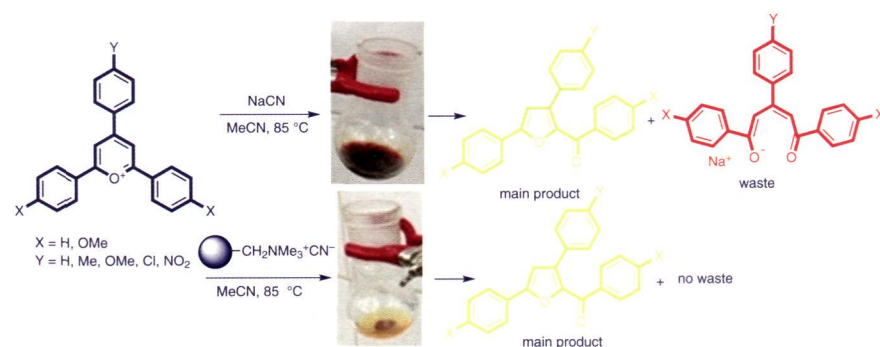
- 443 W.-T. Tsai  
Y.-Y. Lin  
Y.-A. Chen  
C.-F. Lee\*

### Ligand-Free Copper-Catalyzed Cross-Coupling Reaction of Alkynes with Aryl Iodides and Vinyl Halides



- 448 A. Mouradzadegan\*  
F. Abadast

### An Innovative and Atom-Efficient Synthesis of Bioactive 2-Aroylfuran Derivatives Using Macroporous Polymer-Supported Cyanide





453

Compiled by  
E. A. Chigorina**1-Cyanoacetyl-3,5-dimethylpyrazole**

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455

Compiled by  
S. J. Balkrishna**2-Halobenzamides**

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XV

**Forthcoming Articles**