Radical-Mediated Difunctionalization of Styrenes

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Advances in C(sp3)–H Bond Functionalization via Radical Processes

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Recent Progress on the Synthesis of CF$_2$H-Containing Derivatives

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Stereoselective Synthesis of syn-$\gamma$-Hydroxynorvaline and Related $\alpha$-Amino Acids

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Sumanene Hexaester: An Electron-Deficient Buckybowl

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H. Nakazawa
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T. Fukushima
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**Easy Access to 2-Fluoro- and 2-Iodo-2H-azirines via the Halex Reaction**

A. V. Agafonova  
I. A. Smetanin  
N. V. Rostovskii  
A. F. Khlebnikov  
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Saint Petersburg State University, Russia

**Methyl-α-D-glucopyranoside as Green Ligand for Selective Copper-Catalyzed N-Arylation**

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F. Du  
F. Chen  
Q. Zhou  
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**Total Synthesis of Enisorine D and its Analogues**

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Efficient Synthesis of Pyrido[3,2-c]coumarins via Silver Nitrate Catalyzed Cycloisomerization and Application to the First Synthesis of Polynemoraline C

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Regioselective Diboron-Mediated Semireduction of Terminal Allenes

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Transition-Metal-Promoted Oxidative Cyclization To Give 1,2,4-Trisubstituted Carbazole Scaffolds

M. Szewczyk
M. Ryczkowska
S. Makowiec*
Gdansk University of Technology, Poland
**Divergent Synthesis of Various 2-Aryl Iminocyclitols from (R)-p-Hydroxyphenylglycine**

V. K. Jain*
Indian Institute of Technology Kanpur, India

Key Features
1. *OsO₄*-catalyzed dihydroxylation
2. Base-promoted intramolecular cyclization
3. Pyrrolidine and piperidine alkaloids

**Copper-Catalyzed Nitrogenation of Aromatic and Aliphatic Aldehydes: A Direct Route to Carbamoyl Azides**

R. Wei
L. Ge
H. Bao
S. Liao*
Y. Li*
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University of Chinese Academy of Sciences, P. R. of China

- Aliphatic aldehydes and aryl aldehydes
- TBPB as the oxidant and initiator
- Yield up to 93%
- Copper catalysis

**Synthesis of 5-Substituted 2-Pyrrolidinones by Coupling of Organozinc Reagents with Cyclic N-Acyliminium Ions**

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Z. A. Santos-Sánchez
Y. I. Hidalgo-Mercado
H. F. Olivo
M. Romero-Ortega*
Universidad Autónoma del Estado de México, México

- One-pot procedure
- Lewis acid catalyst
- Yield: 25–75%
- Substrates: allyl, benzyl, propargyl, butyl, Boc, allyl, homoallyl, p-methylbenzyl, piperonyl

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