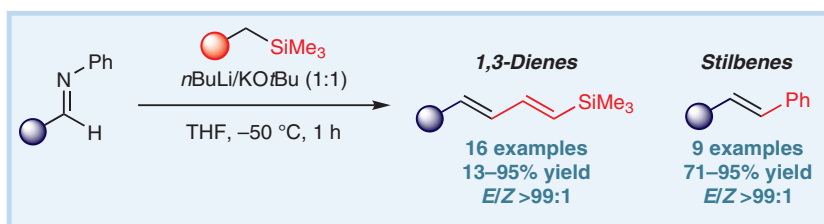


Synthesis

Reviews and Full Papers in Chemical Synthesis

October 1, 2021 • Vol. 53, 3409–3638



Aza-Peterson Olefinations: Rapid Synthesis of (*E*)-Alkenes

T. K. Britten, A. J. Basson, D. D. Roberts, M. G. McLaughlin

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Synthesis

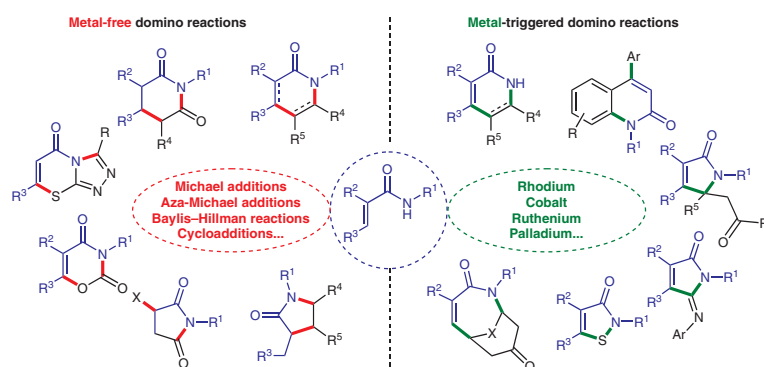
Synthesis 2021, 53, 3409–3439
DOI: 10.1055/a-1503-7932

I. Alahyen
L. Benhamou
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20 Years of Forging N-Heterocycles from Acrylamides through Domino/Cascade Reactions

Review

3409



Synthesis

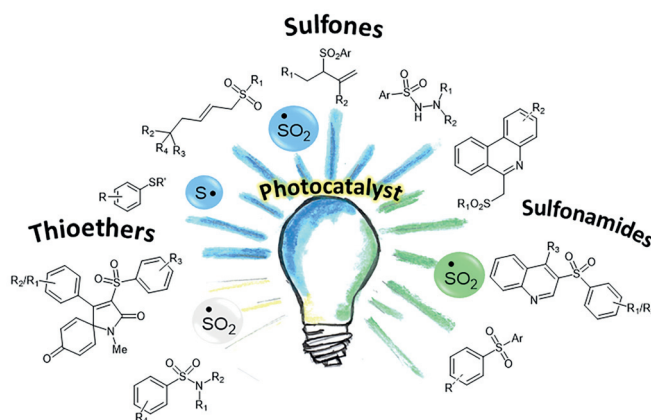
Synthesis 2021, 53, 3440–3468
DOI: 10.1055/a-1509-5541

E. Azzi
A. Lanfranco
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Visible Light as the Key for the Formation of Carbon–Sulfur Bonds in Sulfones, Thioethers, and Sulfonamides: An Update

Review

3440



Synthesis

A Review on Synthetic Approaches towards Kavalactones

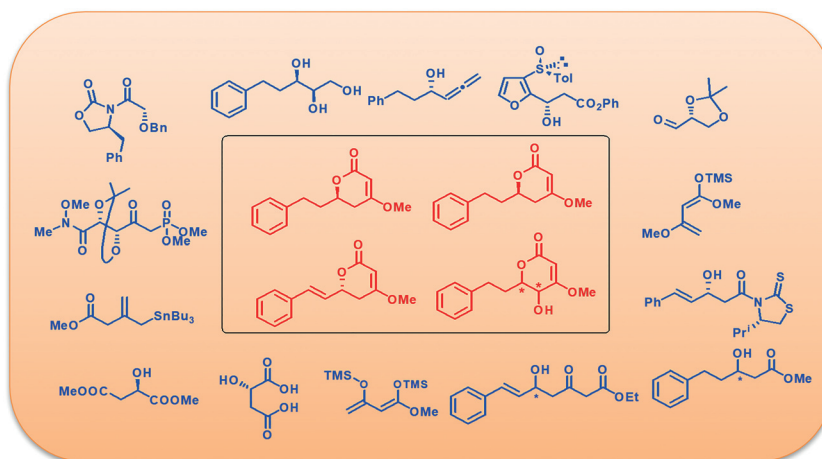
Review

Synthesis 2021, 53, 3469–3484
DOI: 10.1055/s-0040-1706044

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3469



Synthesis

Cyanide Anions as Nucleophilic Catalysts in Organic Synthesis

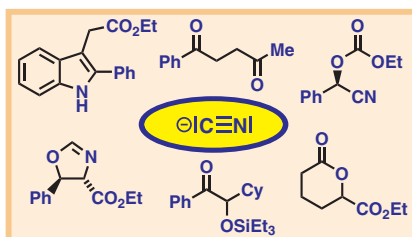
Short Review

Synthesis 2021, 53, 3485–3496
DOI: 10.1055/a-1499-8943

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3485



Synthesis

The Use of Electrophilic Cyclization for the Preparation of Condensed Heterocycles

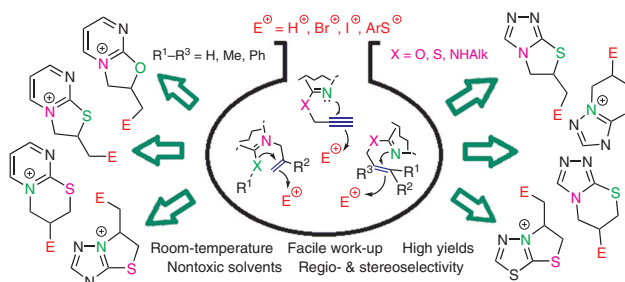
Short Review

Synthesis 2021, 53, 3497–3512
DOI: 10.1055/s-0040-1706036

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3497



Synthesis

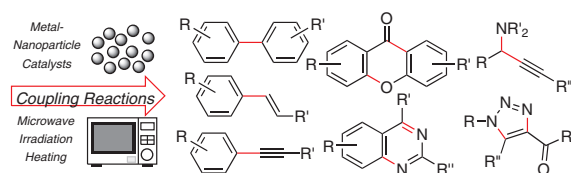
Synthesis 2021, 53, 3513–3521
DOI: 10.1055/a-1505-0916

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Recent Advances in Metal-Nanoparticle-Catalyzed Coupling Reactions Assisted by Microwave Irradiation

Short Review

3513



Synthesis

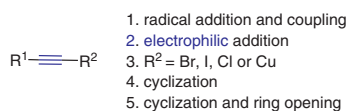
Synthesis 2021, 53, 3522–3534
DOI: 10.1055/a-1486-2158

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Recent Advances in the Tandem Difunctionalization of Alkynes: Mechanism-Based Classification

Short Review

3522



Synthesis

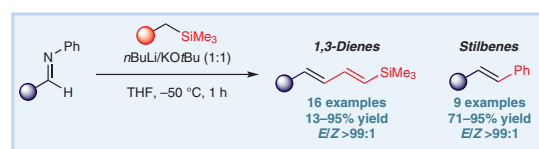
Synthesis 2021, 53, 3535–3544
DOI: 10.1055/a-1493-6670

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Aza-Peterson Olefinations: Rapid Synthesis of (E)-Alkenes

Feature

3535



Synthesis

Synthesis **2021**, 53, 3545–3554
DOI: 10.1055/a-1509-6078

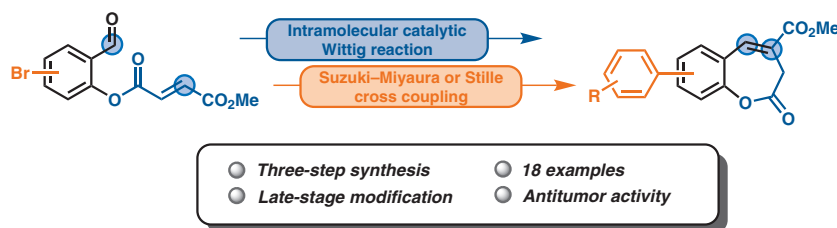
L. Pudnika
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Base-Free Catalytic Wittig-/Cross-Coupling Reaction Sequence as Short Synthetic Strategy for the Preparation of Highly Functionalized Arylbenzoxepinones

Feature

3545



Synthesis

Synthesis **2021**, 53, 3555–3563
DOI: 10.1055/a-1485-4956

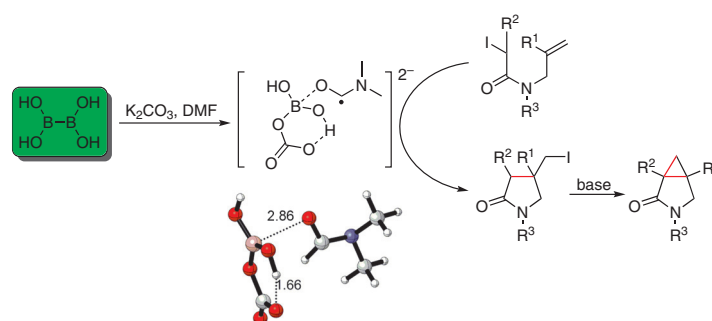
P. Wang
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Tetrahydroxydiboron-Initiated Atom-Transfer Radical Cyclization

Feature

3555



Synthesis

Synthesis **2021**, 53, 3564–3572
DOI: 10.1055/a-1493-6420

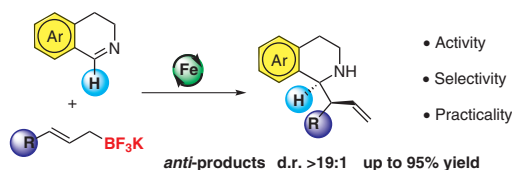
Y. Fang
X. Hu
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Iron-Catalyzed Stereoselective Allylboration of 3,4-Dihydroisoquinolines with Potassium Allyltrifluoroborates

Feature

3564



Synthesis

Synthesis 2021, 53, 3573–3577
DOI: 10.1055/a-1526-7657

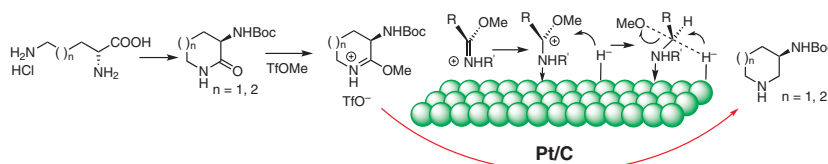
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Convenient Synthesis of (*R*)-3-[(*tert*-Butoxycarbonyl)amino]piperidine and (*R*)-3-[(*tert*-Butoxycarbonyl)amino]azepane

PSP

3573



Synthesis

Synthesis 2021, 53, 3578–3584
DOI: 10.1055/a-1509-5175

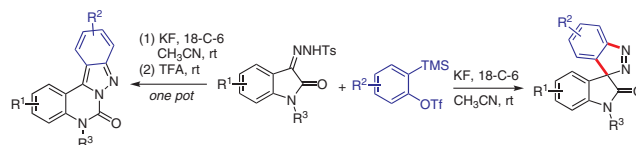
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Synthesis of Spiro[indazole-3,3'-indolin]-2'-ones and Indazolo[2,3-*c*]quinazolin-6(5*H*)-ones from Arynes and Isatin-Derived *N*-Tosylhydrazones

Paper

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Synthesis

Synthesis 2021, 53, 3585–3590
DOI: 10.1055/a-1479-6611

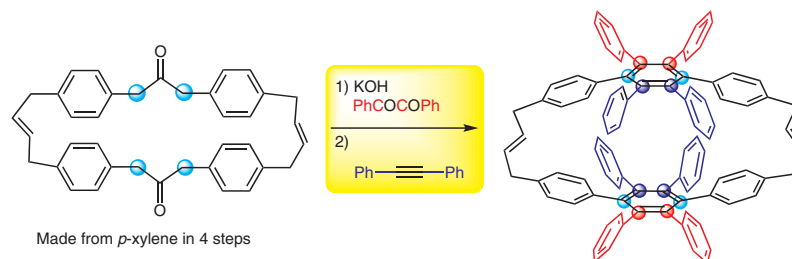
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Synthesis of 2,24-Diene-12,13,15,16,34,35,37,38-octaphenyl[4.4]-triphenylparacyclophane

Paper

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Synthesis

Synthesis 2021, 53, 3591–3596
DOI: 10.1055/s-0040-1706050

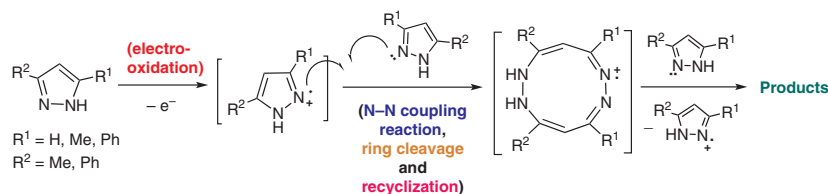
S. Zandi
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Electrochemically Catalyzed N–N Coupling and Ring Cleavage Reaction of 1*H*-Pyrazoles

Paper

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Synthesis 2021, 53, 3597–3607
DOI: 10.1055/a-1500-1343

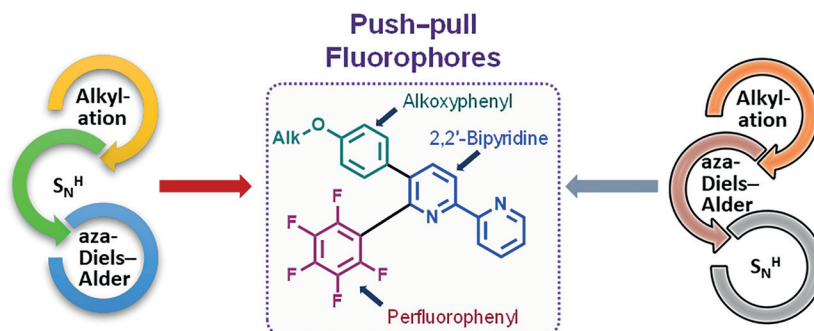
T. D. Moseev
E. A. Nikiforov
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Novel Pentafluorophenyl- and Alkoxyphenyl-Appended 2,2'-Bipyridine Push–Pull Fluorophores: A Convenient Synthesis and Photophysical Studies

Paper

3597



Synthesis

Synthesis 2021, 53, 3608–3612
DOI: 10.1055/a-1482-9822

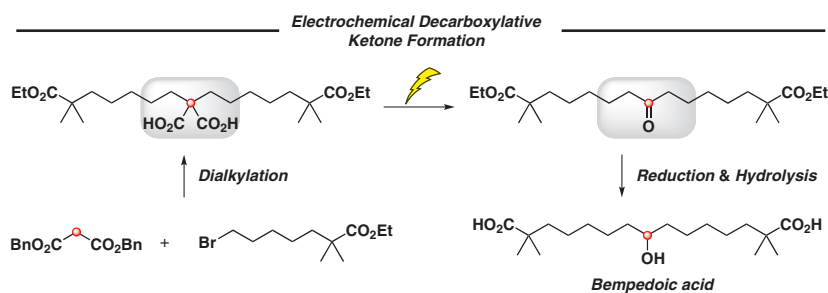
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Synthesis of Bempedoic Acid through Electrochemical Decarboxylation of Dialkylated Malonic Acid

Paper

3608



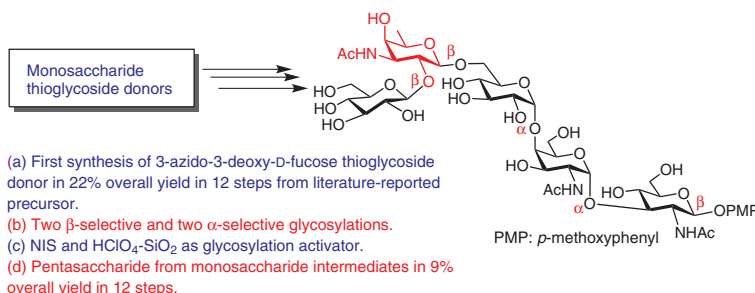
Synthesis

Synthesis 2021, 53, 3613–3620
DOI: 10.1055/s-0037-1610777

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Synthesis of Pentasaccharide Repeating Unit Corresponding to the Cell Wall O-Polysaccharide of *Salmonella enterica* O55 Strain Containing a Rare Sugar 3-Acetamido-3-deoxy-D-fucose

Paper
3613



Synthesis

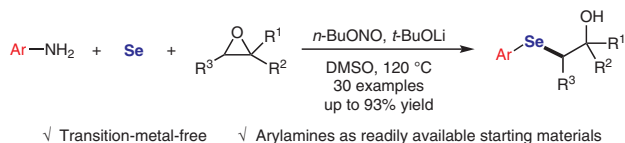
Synthesis 2021, 53, 3621–3629
DOI: 10.1055/a-1499-8742

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Synthesis of β -Hydroxy Aryl Selenides via Transition-Metal-Free Three-Component Reaction of Arylamines, Elemental Selenium, and Epoxides

Paper
3621



Synthesis

Synthesis 2021, 53, 3630–3638
DOI: 10.1055/a-1508-9541

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Synthesis of Nilotinin M3: An Ellagitannin Containing an Isodehydrodi-galloyl Group

Paper
3630

