

Synthesis

Reviews and Full Papers in Chemical Synthesis

January 19, 2023 • Vol. 55, 159–368

Special Issue

dedicated to the 80th Birthday of Prof. Alain Krief
(Part I)

Guest editor: Guillaume Berionni



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Synthesis

Synthesis 2023, 55, 159–163
DOI: 10.1055/s-0040-1720037

H. Hopf*

G. Mehta

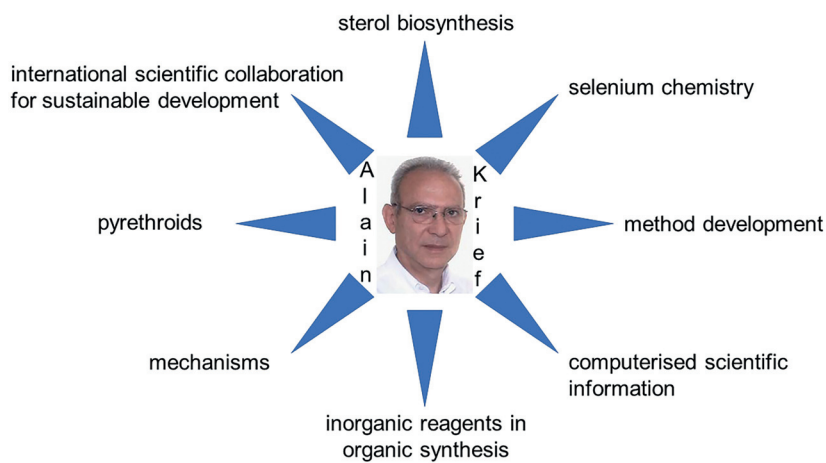
S. A. Matlin

Technische Universität Braun-
schweig, Germany

Professor Alain Krief: Advancing Chemistry; From Innovative Synthesis to Promoting Sustainable Development

Preface

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Synthesis

Synthesis 2023, 55, 164–192
DOI: 10.1055/a-1932-6937

K. Gadde

D. De Vos

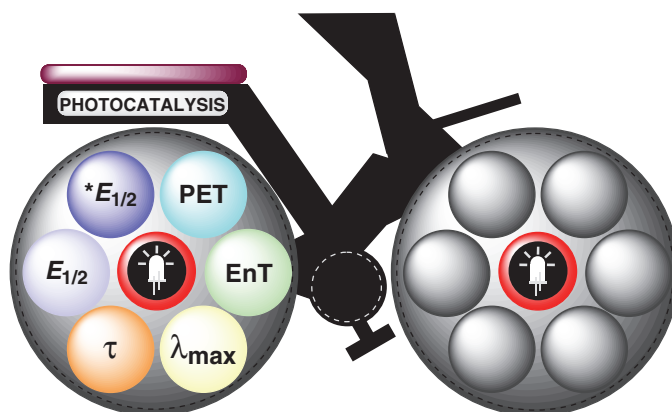
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University of Antwerp, Belgium

Basic Concepts and Activation Modes in Visible-Light-Photocatalyzed Organic Synthesis

Review

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Synthesis

Synthesis **2023**, 55, 193–231
DOI: 10.1055/a-1946-0512

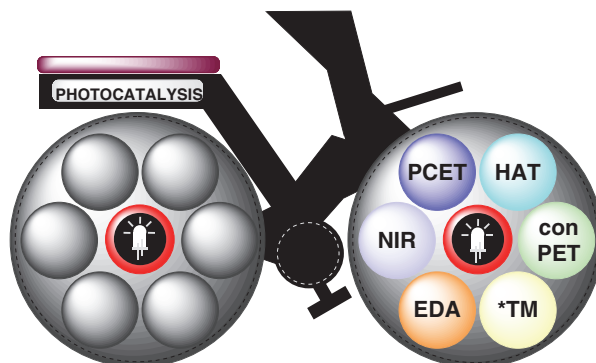
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Emerging Activation Modes and Techniques in Visible-Light-Photocatalyzed Organic Synthesis

Review

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Synthesis

Synthesis **2023**, 55, 232–239
DOI: 10.1055/a-1757-2680

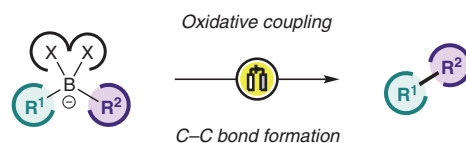
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Forging C–C Bonds through Intramolecular Oxidative Coupling of Organoborates – An Overview

Short Review

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Synthesis **2023**, 55, 240–245
DOI: 10.1055/a-1896-8449

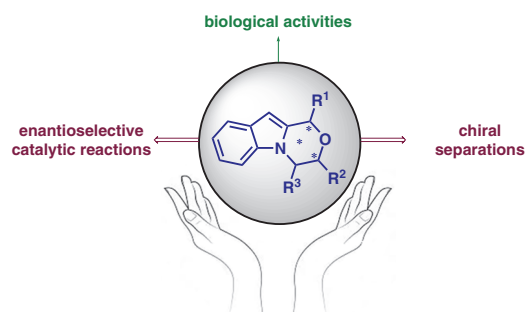
A. Dupeux
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Chiral 1,4-Oxazino[4,3-*a*]indoles as a Challenging Scaffold: Syntheses and Properties

Short Review

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Copillar[5]arene Chemistry: Synthesis and Applications

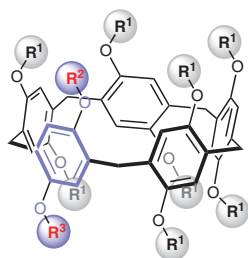
Short Review

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Synthesis **2023**, *55*, 246–262
DOI: 10.1055/s-0040-1738369

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Copillar[4+1]arene

Synthesis

Halodiazirines as Valuable Reagents for the Synthesis of Halocyclopropanes

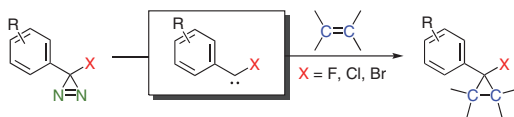
Short Review

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Synthesis **2023**, *55*, 263–271
DOI: 10.1055/a-1961-8237

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Synthesis

Radical Cyclization of Ynamides to Nitrogen Heterocycles

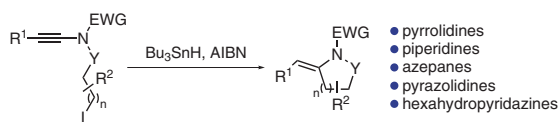
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Synthesis **2023**, *55*, 272–288
DOI: 10.1055/a-1868-8092

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Synthesis 2023, 55, 289–296
DOI: 10.1055/a-1878-8597

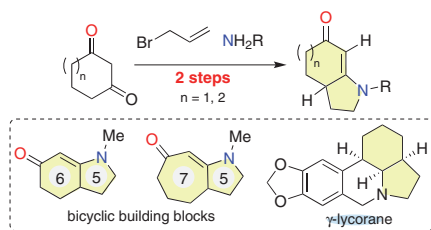
Y. Chen
X.-T. Hu
X.-Y. Xie
D. Li
C.-X. Zheng
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A Practical Approach to 6*H*-Indol-6-ones Enables the Formal Synthesis of γ -Lycorane

Paper

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Synthesis 2023, 55, 297–306
DOI: 10.1055/a-1921-8664

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Crystal Structures of Organoselenium Compounds: Structural Descriptors for Chalcogen Bonds

Paper

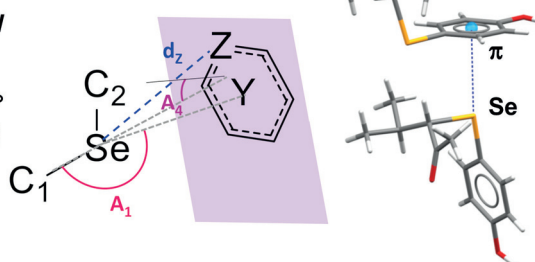
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Relevant parameters for $\text{Ch}\cdots\pi$ interactions:

$d_z < \text{sum of vdW radii of Se and Z}$

A_1 close to 180°
($150^\circ < A_1 < 180^\circ$)

A_4 close to 0°
($0^\circ < A_4 < 40^\circ$)



Synthesis

Synthesis 2023, 55, 307–314
DOI: 10.1055/a-1508-9593

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T. Wirth*

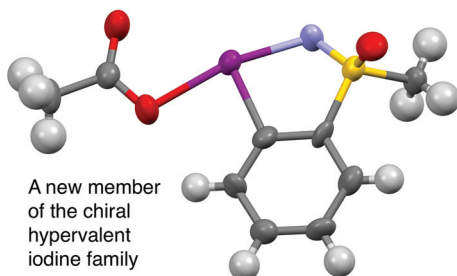
Cardiff University, UK

Sulfur-Based Chiral Iodoarenes: An Underexplored Class of Chiral Hypervalent Iodine Reagents

Paper

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A new member
of the chiral
hypervalent
iodine family

Synthesis

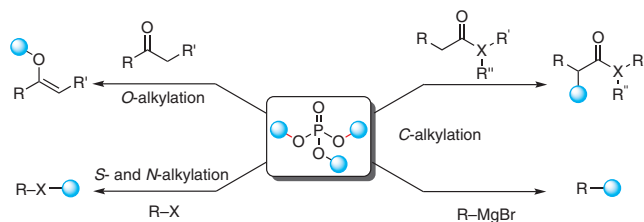
Synthesis 2023, 55, 315–332
DOI: 10.1055/a-1504-8366

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Regio- and Stereoselective (S_N2) *N*-, *O*-, *C*- and *S*-Alkylation Using Trialkyl Phosphates

Paper

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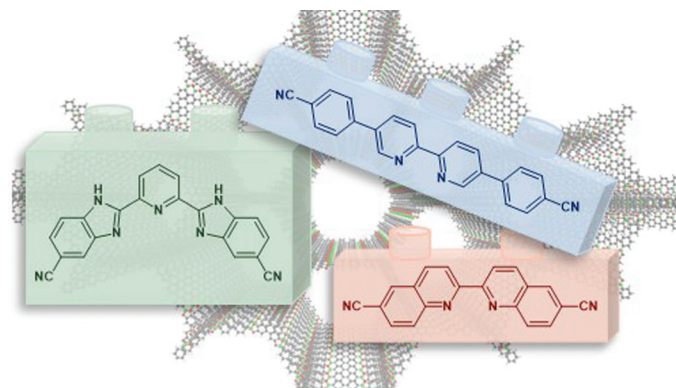
Synthesis 2023, 55, 333–340
DOI: 10.1055/a-1626-5749

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K. Van Hecke
T. S. Heugebaert
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V. Van Speybroeck
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Synthesis of Nitrile-Functionalized Polydentate N-Heterocycles as Building Blocks for Covalent Triazine Frameworks

Paper

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Synthesis

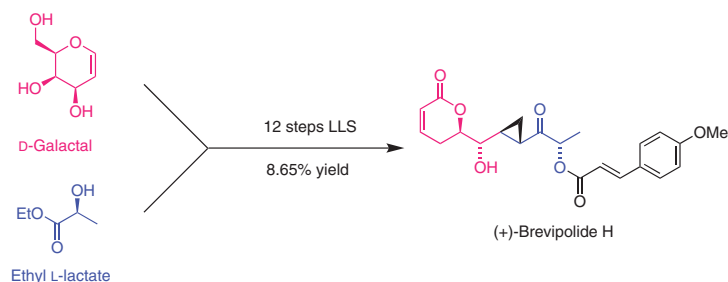
Synthesis 2023, 55, 341–346
DOI: 10.1055/a-1700-3520

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J. Geng
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C. Hu
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Stereoselective Total Synthesis of (+)-Brevipolide H from D-Galactal

Paper

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Synthesis

A Selenium-Bridged 10-Boratriptycene Lewis Acid

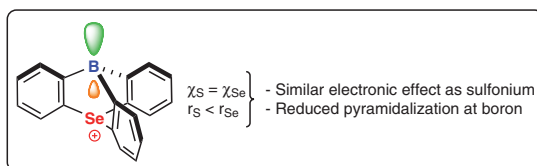
Paper

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Synthesis 2023, 55, 347–353
DOI: 10.1055/a-1840-5680

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Synthesis

Elucidation of the Nucleophilic Potential of Diazocyclopentadiene

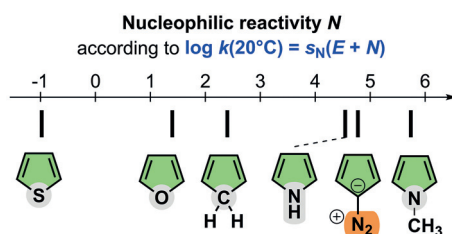
Paper

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Synthesis 2023, 55, 354–358
DOI: 10.1055/s-0041-1737327

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Synthesis

Expanding the Library of 2-Phenylbenzotellurazoles: Red-Shifting Effect of Ethoxy Functionalities on the UV/Vis Absorption Properties

Paper

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Synthesis 2023, 55, 359–367
DOI: 10.1055/s-0041-1737898

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