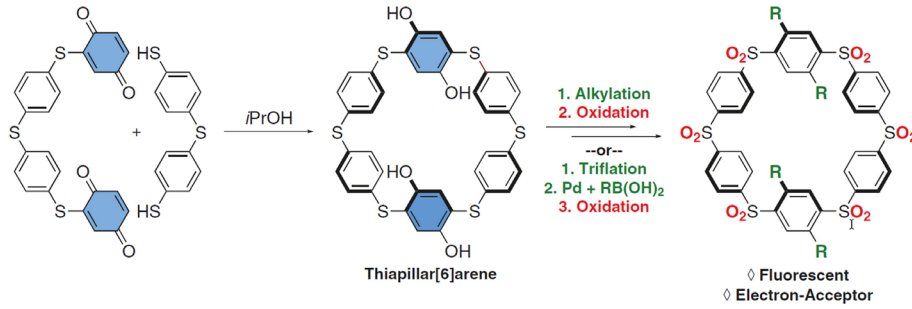
Synlett

Accounts and Rapid Communications in Chemical Synthesis

September 16, 2022 • Vol. 33, 1473–1574



Thiapillar[6]arene: Synthesis, Functionalization, and Properties

S.I. Etkind, S. Ichii, N. A. Romero, T. M. Swager

15

Thieme

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Accounts and
Rapid Communications
in Chemical Synthesis

2022
Vol. 33, No. 15
September II

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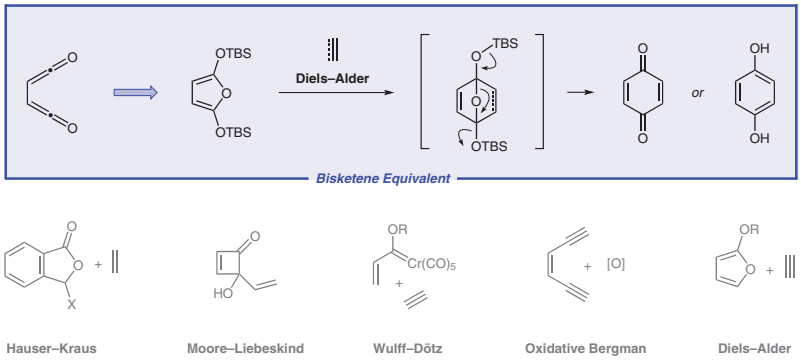
Ring Forming Approaches to *para*-Quinones: Toward a General Diels–Alder Disconnection

Synpacts

1473

Synlett **2022**, *33*, 1473–1480
DOI: 10.1055/s-0041-1737966

J. E. Budwitz
C. G. Newton*
University of Georgia, USA



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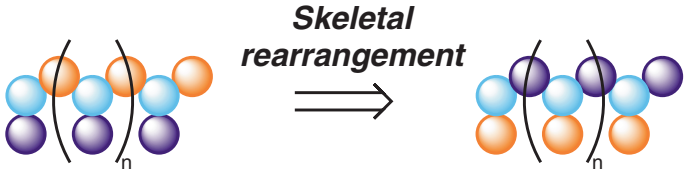
Synpacts

1481

Synlett **2022**, *33*, 1481–1485
DOI: 10.1055/s-0041-1737456

Advancing the Logic of Polymer Synthesis via Skeletal Rearrangements

A. V. Zhukhovitskiy*
M. Ratushnyy
R. A. J. Ditzler
University of North Carolina at
Chapel Hill, USA



Synlett

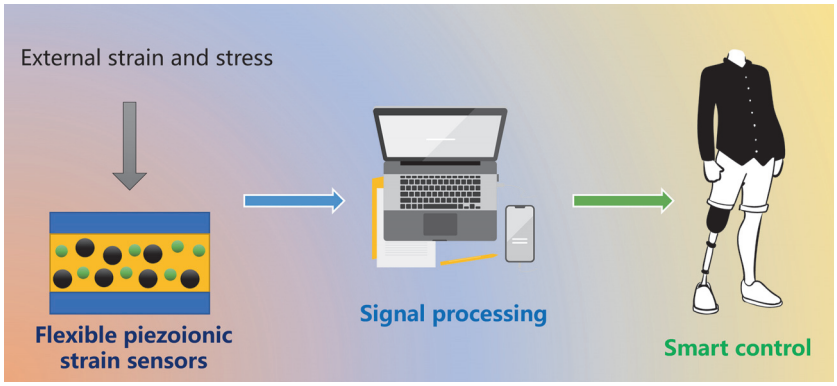
Synlett **2022**, *33*, 1486–1491
DOI: 10.1055/s-0041-1737455

C. Lu*
X. Chen
Soochow University, P. R. of China

Flexible Piezoionic Strain Sensors toward Artificial Intelligence Applications

Account

1486



Synlett

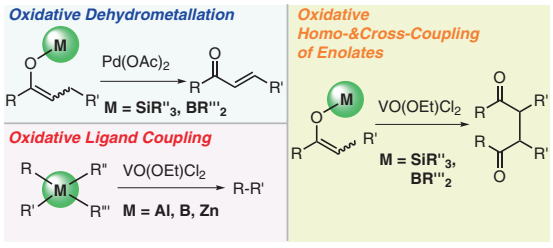
Synlett **2022**, *33*, 1492–1499
DOI: 10.1055/s-0041-1738071

T. Hirao*
T. Amaya
Osaka University, Japan

Transformations of Main-Group Organometallics Induced by Transition Metals

Account

1492



Synlett

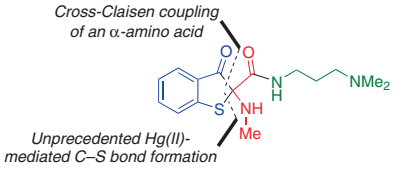
Synlett **2022**, *33*, 1500–1504
DOI: 10.1055/a-1873-4473

G. Tenti
J. Clerigué
M. T. Ramos
J. C. Menéndez*
Universidad Complutense, Spain

An Efficient Synthesis of a Highly Functionalized Dihydrobenzothiophene Derivative: A Ring-Contracted Analogue of the Anti-inflammatory Drug Propoxicam

Letter

1500



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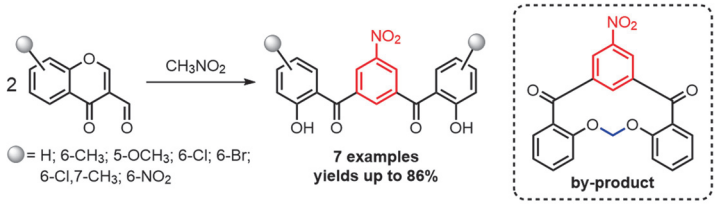
Letter

1505

Mild Synthesis of Symmetric 3,5-Disubstituted Nitrobenzenes

Synlett **2022**, *33*, 1505–1510
DOI: 10.1055/a-1875-2646

T. N. Francisco
J. L. Sousa
S. Guieu
A. M. S. Silva*
H. M. T. Albuquerque*
University of Aveiro, Portugal



☑ Simple materials ☑ Mild conditions ☑ Gram-scale ☑ Valuable scaffolds
☑ One-pot formation of 3 C–C bonds

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Letter

1511

P-Chiral Phosphine Sulfide Synthesis by Combination of Enzymatic Desymmetrization and Successive Deformylative P–C Cross-Couplings

Synlett **2022**, *33*, 1511–1514
DOI: 10.1055/a-1873-3530

H. Ohta*
Y. Nakashima
K. Kayahara
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T. Tadokoro
Y. Watanabe
M. Hayashi*
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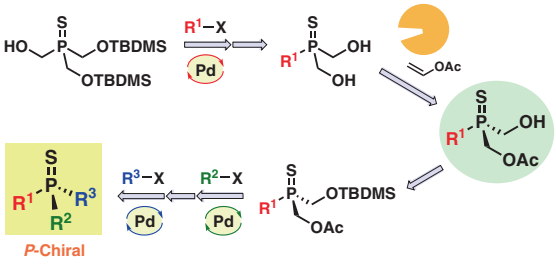

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Letter

1515

Polyoxometalate–Ionic Liquid-Catalyzed Ritter Reaction for Efficient Synthesis of Amides

Synlett **2022**, *33*, 1515–1518
DOI: 10.1055/a-1854-9958

L. Zhang
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P. He
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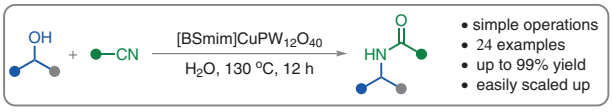
L.-C. Zhang*
S. Gao*
Liaoning Normal University, P. R. of China
Dalian Institute of Chemical Physics, P. R. of China



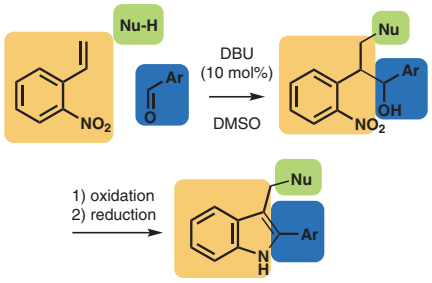
Synlett

Synlett **2022**, *33*, 1519–1522
DOI: 10.1055/a-1865-2556

F. Hori
T. Yoshimura
J.-i. Matsuo*
Kanazawa University, Japan

Construction of Indole Skeletons through Direct Catalytic Three-Component Domino Reactions of Vinylarenes, Aldehydes, and Pronucleophiles

Letter



Synlett

Synlett **2022**, *33*, 1523–1526
DOI: 10.1055/a-1890-8287

M. Kitamura*
H. Suetake
K. Hoshino
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M. Kisanuki
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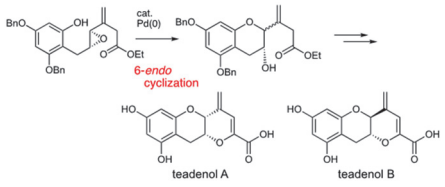
Y. Yamaguchi
T. Shimazu
N. Koga
H. Hamada
N. Miyori
H. Shimooka
T. Okauchi
Kyushu Institute of Technology, Japan

Formal Synthesis of Teadenols via Palladium-Catalyzed 6-*endo* Cyclization of an Epoxyphenol

Letter



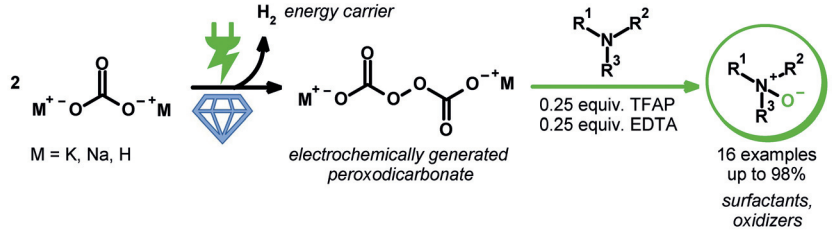
Synlett

Synlett **2022**, *33*, 1527–1531
DOI: 10.1055/a-1860-3405

A.-K. Seitz
T. van Lingen
M. Dyga
P. J. Kohlpaintner
S. R. Waldvogel
L. J. Gooßen*
Ruhr-Universität Bochum, Germany

Amine Oxidation by Electrochemically Generated Peroxodicarbonate

Letter



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Thiapillar[6]arene: Synthesis, Functionalization, and Properties

Letter

1532

Synlett **2022**, *33*, 1532–1538
DOI: 10.1055/s-0040-1719932

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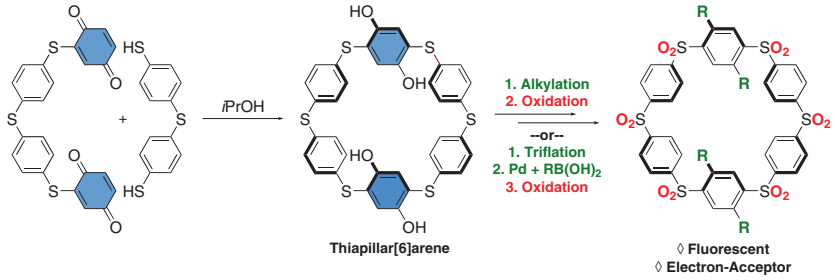

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Nitric Acid Promoted Metal-Free Bromothiolation of Internal Alkynes with Hydrobromic Acid and Disulfides

Letter

1539

Synlett **2022**, *33*, 1539–1545
DOI: 10.1055/s-0040-1719934

H. Sun
X.-C. Huang*
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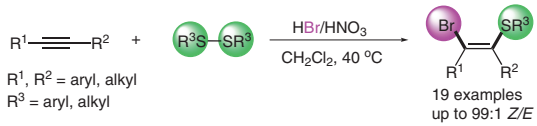

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2-Iodoxybenzoic Acid–Dimethyl Sulfoxide (IBX-DMSO)-Promoted Oxidative Aromatization of Spiro[2.5]octa-4,7-dien-6-one

Letter

1546

Synlett **2022**, *33*, 1546–1550
DOI: 10.1055/a-1863-8862

T. Li
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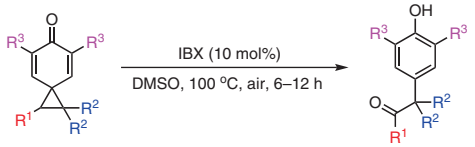

- **Metal-free**
- **Oxidative aromatization**
- **20 examples, up to 98% isolated yield**

Synlett

Synlett **2022**, *33*, 1551–1555
DOI: 10.1055/a-1867-7228

C. Xia
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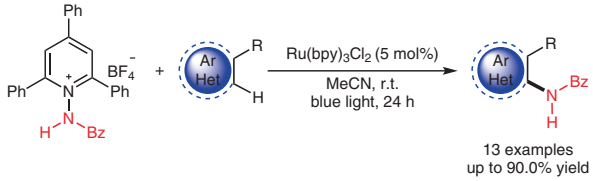
Visible-Light-Mediated Direct Amidation of Arenes and Heteroarenes with *N*-Aminopyridinium Salts

Letter



Synlett

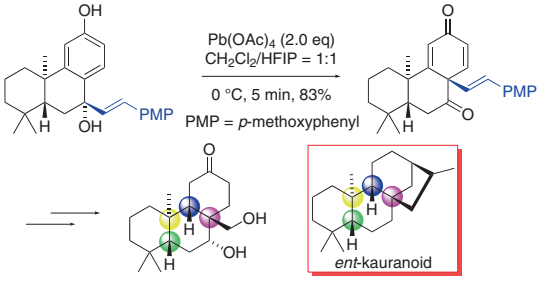
Synlett **2022**, *33*, 1556–1562
DOI: 10.1055/a-1855-3777

Y. Imamura
H. Mizutani
M. Nakada*

Waseda University, Japan

Construction of Successive Stereogenic Centers of *ent*-Kauranoid through an Oxidative Dearomatization/1,2-Shift Cascade

Letter



Synlett

Synlett **2022**, *33*, 1563–1569
DOI: 10.1055/a-1865-1792

T. Nobuta*
H. Morishita
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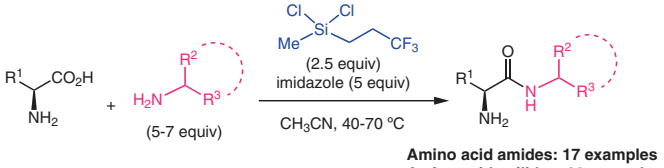
N. Yamagiwa

Takasaki University of Health and Welfare, Japan

Amidation of α-Amino Acids Using Dichloro(methyl)(3,3,3-trifluoropropyl)silane and Imidazole without Conventional Protection and Deprotection of α-Amino Group

Letter



Amino acid amides: 17 examples
Amino acid anilides: 23 examples
up to 96% yield
95 to >99% ee

Synlett

Synlett **2022**, *33*, 1570–1574
DOI: 10.1055/a-1865-2970

Amine-Free *O*-Sulfonylation by a Combination of 4-Methylpyridine *N*-Oxide Catalyst with 4Å Molecular Sieves

Letter

1570

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