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SYNLETT

Accounts and Rapid Communications in Synthetic Organic Chemistry

Cluster

Catalysis Using Sustainable Metals – Part I

*Editors: Hak-Fun Chow, Henry N. C. Wong,
Tomislav Rovis, Matthew Gaunt*

Accounts

**D.-L. Mo, T.-K. Zhang, G.-C. Ge,
X.-J. Huang, C.-H. Ding, L.-X. Dai, X.-L. Hou**
*The Applications of Palladacycles
as Transition-Metal Catalysts in Organic
Synthesis*

G. Qiu, J. Wu
*Generation of Indene Derivatives by
Tandem Reactions*

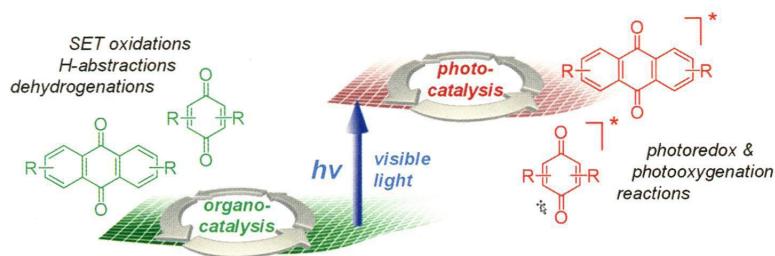
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December 1, 2014

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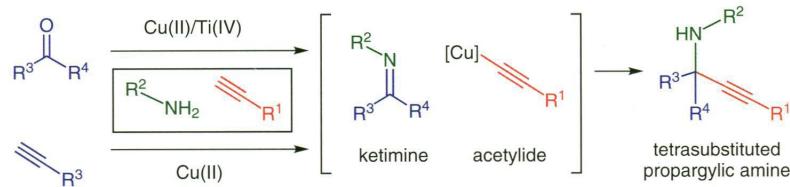
2673 S. Lerch
L.-N. Unkel
P. Wienefeld
M. Brasholz*

Ground- and Excited-State Quinones: Perspectives in Organocatalysis and Visible-Light Photocatalysis



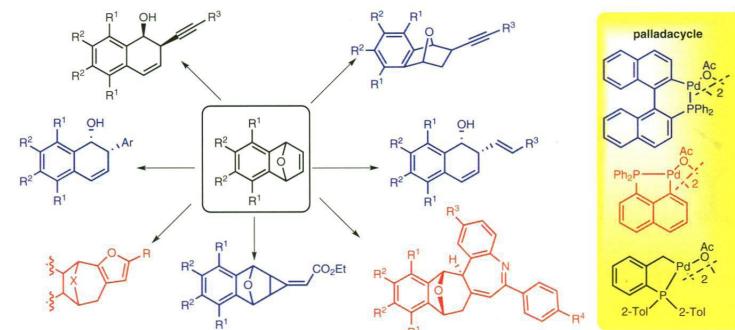
2681 K. G. Nelson
C. H. Larsen*

Condensation Versus Hydroamination for the Direct, Catalytic Synthesis of Tetrasubstituted Propargylamines



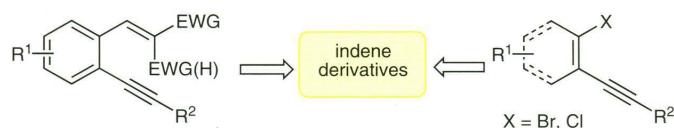
2686 D.-L. Mo
T.-K. Zhang
G.-C. Ge
X.-J. Huang
C.-H. Ding*
L.-X. Dai
X.-L. Hou*

The Applications of Palladacycles as Transition-Metal Catalysts in Organic Synthesis



2703 G. Qiu
J. Wu*

Generation of Indene Derivatives by Tandem Reactions



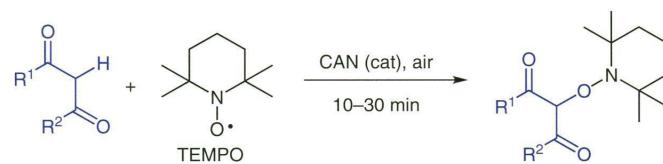
2715 M. Gaunt*
T. Rovis*
H.-F. Chow*

Catalysis Using Sustainable Metals – Part I

Cluster Preface Catalysis Using Sustainable Metals – Part I

2717 P. Feng
S. Song
L.-H. Zhang
N. Jiao*

CAN-Catalyzed Rapid C–O Bond Formation towards α -Aminoxylation of Ketones

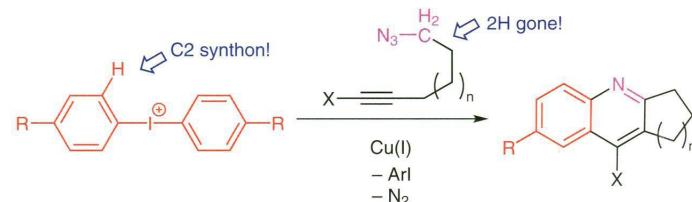


- wide substrate scope
- with water as the byproduct

- rapid synthesis
- easy operating procedures

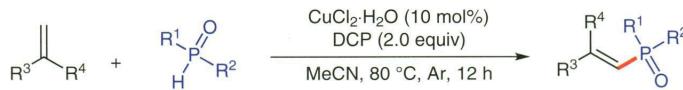
2721 J. Chen
C. Chen*
J. Chen
H. Gao
H. Qu

An Unprecedented Tandem Annulation of ω -Azido-1-alkynes with Diaryliodonium Salts: A Facile Synthesis of Polycyclic Quinolines



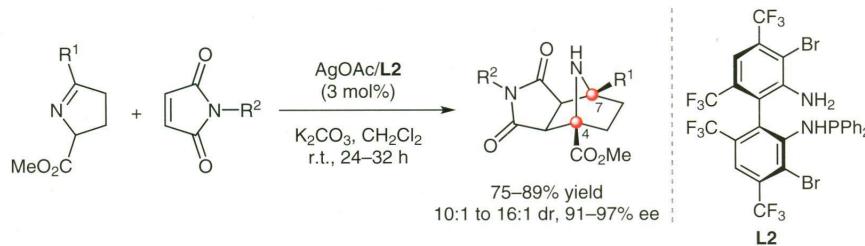
- 2727 L.-L. Mao
A.-X. Zhou
N. Liu
S.-D. Yang*

Copper-Catalyzed Oxidative Cross-Coupling of H-Phosphine Oxides with Alkenes in the Synthesis of Alkenylphosphine Oxides



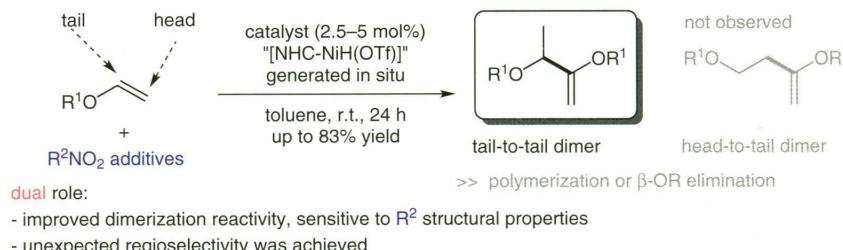
- 2733 Z.-Y. Xue
Y. Xiong
C.-J. Wang*

Catalytic Asymmetric Construction of Azabicyclo[2.2.1]heptanes Bearing Two Quaternary Stereogenic Centers via Silver(I)-Catalyzed 1,3-Dipolar Cycloaddition of Cyclic Azomethine Ylides



- 2738 L. He
C.-Y. Ho*

Nitrate-Enhanced NHC-NiH Catalyzed Tail-to-Tail Vinyl Ether Dimerization



- 2743 H. W. Lee
K. F. Yung*
F. Y. Kwong*

Iron-Catalyzed S-Arylation of Benzothiazole with Aryl Iodides under Aqueous Medium: Facile Synthesis of Aryl(2-aminoaryl) Sulfides



- 2748** M.-C. Fu
R. Shang
Z. Huang
Y. Fu* **Conversion of Levulinate Ester and Formic Acid into γ -Valerolactone Using a Homogeneous Iron Catalyst**

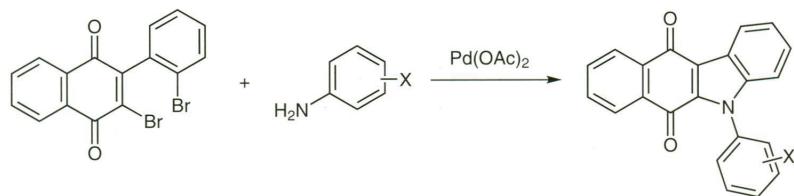
2753 S. Rostamnia*
A. Hassankhani **Covalently Bonded Ionic Liquid-Type Sulfamic Acid onto SBA-15: SBA-15/NHSO₃H as a Highly Active, Reusable, and Selective Green Catalyst for Solvent-Free Synthesis of Polyhydroquinolines and Dihydropyridines**

2757 W. Kasprzyk*
M. Galica
S. Bednarz
D. Bogdał **Microwave-Assisted Oxidation of Alcohols Using Zinc Polyoxometalate**

2761 P.-G. Echeverria
C. Férand
J. Cornil
A. Guérinot
J. Cossy
P. Phansavath*
V. Ratovelomanana-Vidal* **Iridium–SYNPHOS-Catalyzed Hydrogenation through Dynamic Kinetic Resolution of α -Amino β -Keto Ester Hydrochlorides**

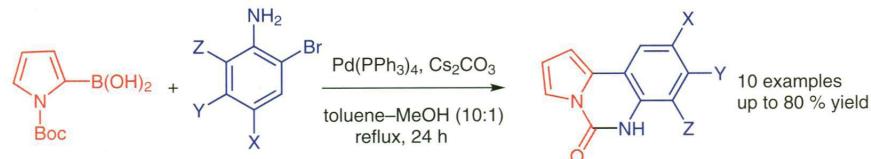
- 2765 K. Bolibrukh
O. Khoumeri
S. Polovkovych
V. Novikov
T. Terme
P. Vanelle*

Novel Synthesis of 5-Substituted 5*H*-Benzo[*b*]carbazole-6,11-diones via Double Buchwald–Hartwig Reaction



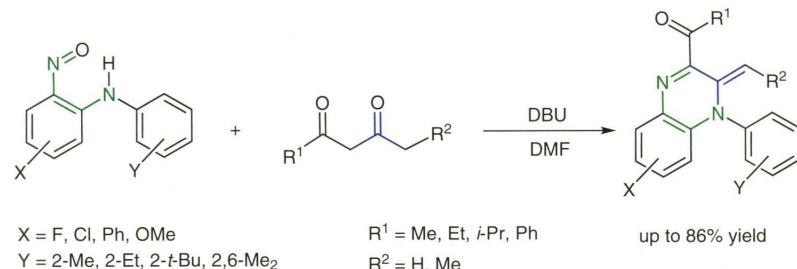
- 2769 M. Petrovčić
M. Alešković
K. Mlinarić-Majerski*

One-Pot Synthesis of Pyrrolo[1,2-*c*]quinazolinone Derivatives



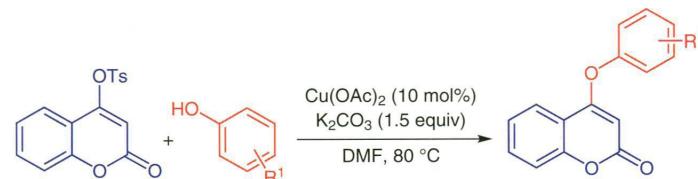
- 2773 A. Trawczyński
Z. Wróbel*

Synthesis of 2-Alkylidene-3-acylquinoxalines from *N*-Aryl-2-nitrosoanilines and 1,3-Diketones



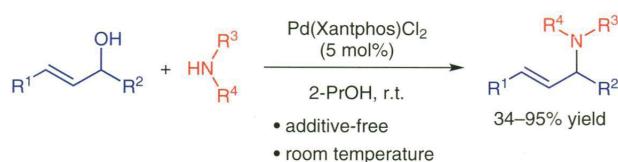
- 2777 A. Alizadeh*
R. Ghanbaripour

Copper(II) Acetate Catalyzed Ullmann-Type C–O Coupling Reaction of Phenols with 4-Tosylcoumarin



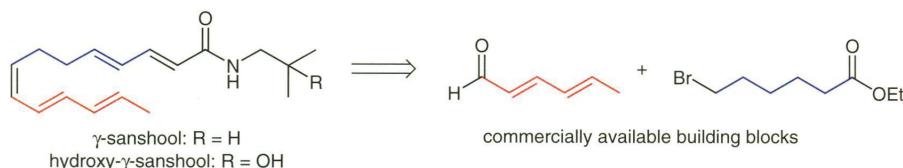
- 2781** M. Wang
Y. Xie
J. Li
H. Huang*

Palladium-Catalyzed Direct Amination of Allylic Alcohols at Room Temperature



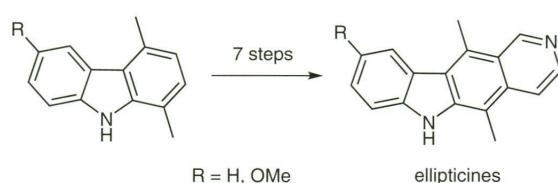
- 2787** X. Xia
P. H. Toy*

Synthesis of γ -Sanshool and Hydroxy- γ -sanshool



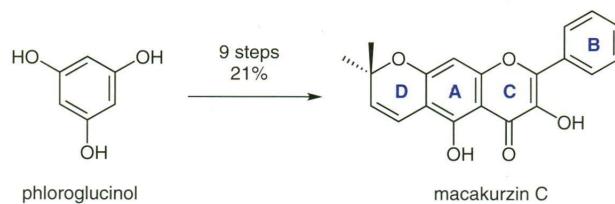
- 2791** N. Ramkumar
M. S. Raghavendra
R. Nagarajan*

Friedel–Crafts Cyclodehydration Approach toward the Synthesis of Ellipticine and 9-Methoxyellipticine



- 2794** D. Lee
I. Shin
E. Ko
K. Lee
S.-Y. Seo
H. Kim*

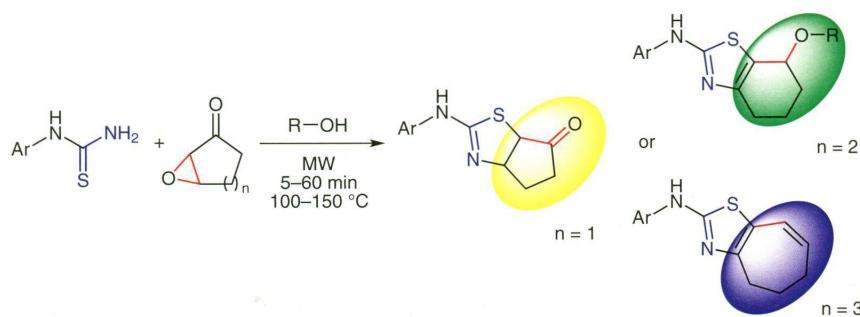
Total Synthesis of Acetylcholinesterase Inhibitor Macakurzin C



2797

P. Liu
H. Shen
X. Shao
Z. Li
X. Xu*

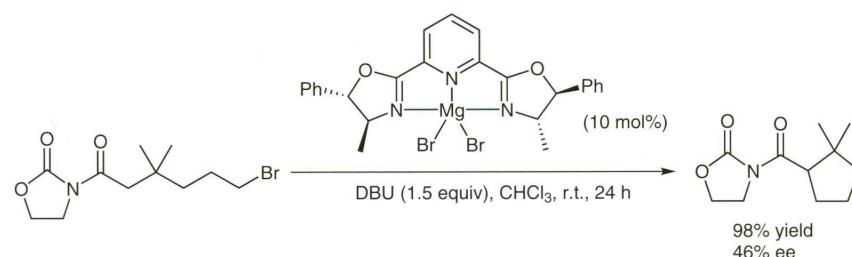
Multipathways for the Synthesis of Fused Bicyclic 2-Aminothiazolyl Compounds Tuned by Ring Size



2802

N. De Rycke
J. D. St. Denis
J. M. E. Hughes
K. A. Rosadiuk
J. L. Gleason*

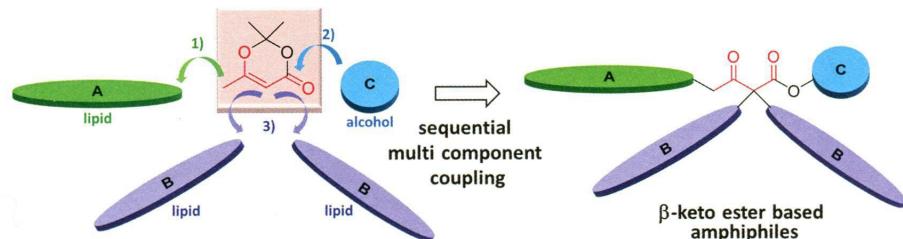
Direct Intramolecular Catalytic Enantioselective Alkylation of Oxazolidinone Bromoalkanoate Imides



2806

S. Fuse*
K. Nakamura
Y. Mifune
H. Marubayashi
I. Hijikuro
S. Nojima
H. Tanaka
T. Takahashi

Rapid Library Synthesis of Amphiphiles Based On a Dioxinone Scaffold and Identification of Nonlamellar Liquid Crystals



2814

A. D. Mamuye

Chloromethylolithium

2816 Y. S. Kim

Fluorobis(phenylsulfonyl)methane (FBSM)

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Erratum

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Forthcoming Articles