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# SYNLETT

*Accounts and Rapid Communications in Synthetic Organic Chemistry*

## Synpacts

**O. Songis, C. S. J. Cazin**  
[Pd(NHC)(PR<sub>3</sub>)] Complexes:  
Versatile Tools for Tandem  
Dehydrogenation–Hydrogenation  
Processes

**X. Liu, X. Wu**  
Development and Challenges in the  
Copper-Catalyzed Trifluoromethylation  
of Alkenes

## Accounts

**H. Wang, D. A. Vircic**  
Organometallic Aspects of  
Fluoroalkylation Reactions with  
Copper and Nickel

**U. H. F. Bunz**  
Adventures of an Occasional  
Click Chemist

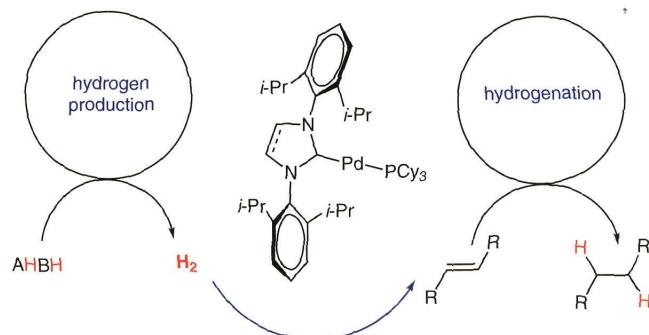
2013 • Vol. 24, 1877–2022

September 17, 2013



Thieme

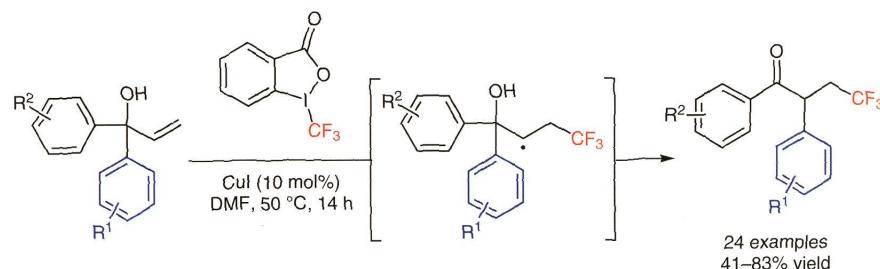
1877

O. Songis  
C. S. J. Cazin\*[Pd(NHC)(PR<sub>3</sub>)] Complexes: Versatile Tools for Tandem Dehydrogenation–Hydrogenation Processes

1882

X. Liu  
X. Wu\*

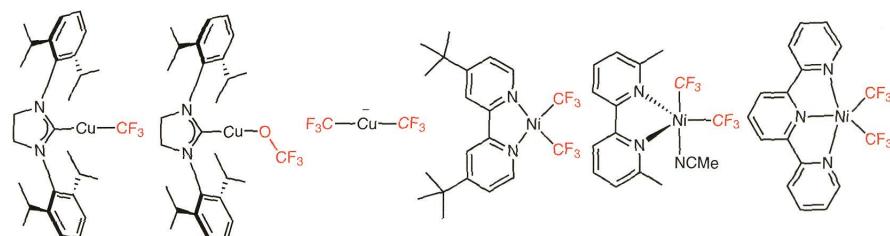
## Development and Challenges in the Copper-Catalyzed Trifluoromethylation of Alkenes



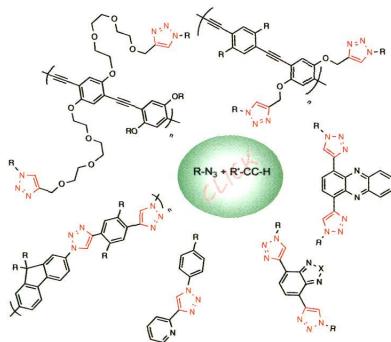
1887

H. Wang  
D. A. Vicic\*

## Organometallic Aspects of Fluoroalkylation Reactions with Copper and Nickel



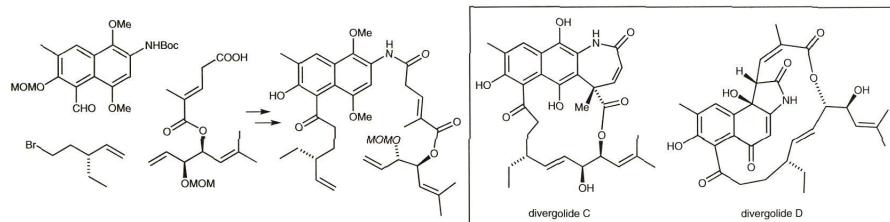
1899 U. H. F. Bunz\*

**Adventures of an Occasional Click Chemist**

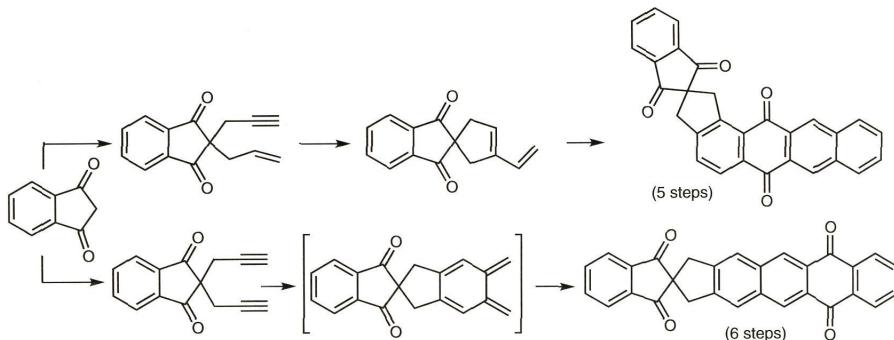
1910 H. Takaya\*  
 T. Iwaya  
 K. Ogata  
 K. Isozaki  
 T. Yokoi  
 R. Yoshida  
 N. Yasuda  
 H. Seike  
 T. Takenaka  
 M. Nakamura\*

**Synthesis, Structure, and Function of PCP Pincer Transition-Metal-Complex-Bound Norvaline Derivatives**

1915 A. Hager  
 C. A. Kuttruff  
 D. Hager  
 D. W. Terwilliger  
 D. Trauner\*

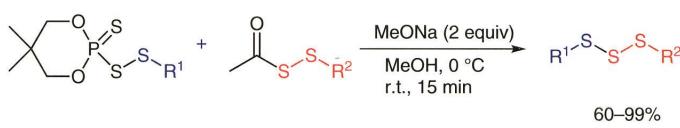
**Toward the Total Synthesis of Divergolides C and D**

1921 S. Kotha\*  
 R. Ali  
 A. Tiwari

**Diversity-Oriented Approach to Novel Spirocyclics via Enyne Metathesis, Diels–Alder Reaction, and a [2+2+2] Cycloaddition as Key Steps**

1927 S. Lach  
D. Witt\*

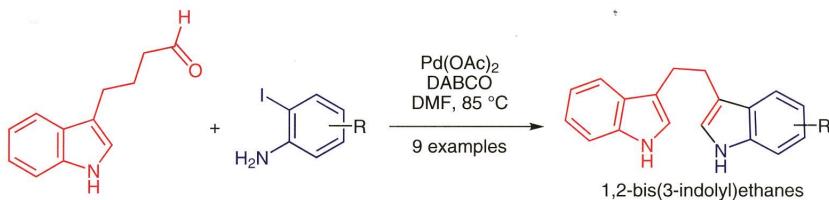
### Efficient Synthesis of Functionalized Unsymmetrical Dialkyl Trisulfanes



$\text{R}^1, \text{R}^2 = (\text{CH}_2)_{11}\text{OH}, (\text{CH}_2)_{10}\text{CO}_2\text{H}, (\text{CH}_2)_{11}\text{NHBOC}, (\text{CH}_2)_{10}\text{CO}_2\text{Me}$

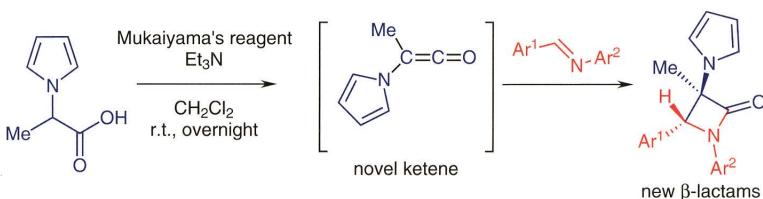
1931 L. M. Blair  
J. Sperry\*

### Palladium-Catalyzed Heteroannulation Approach to 1,2-Bis(3-indolyl)-ethanes



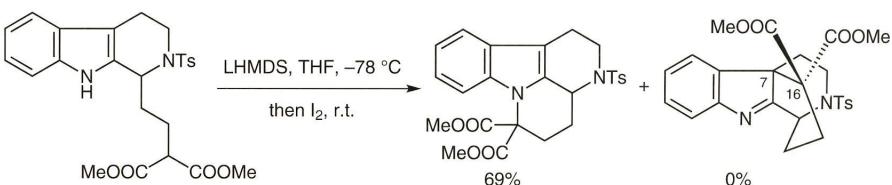
1937 E. Babaei  
M. R. Islami\*  
M. Kalantari

### Stereoselective Synthesis of New $\beta$ -Lactams from 2-(1*H*-Pyrrol-1-yl)-1-propen-1-one as a Novel Ketene



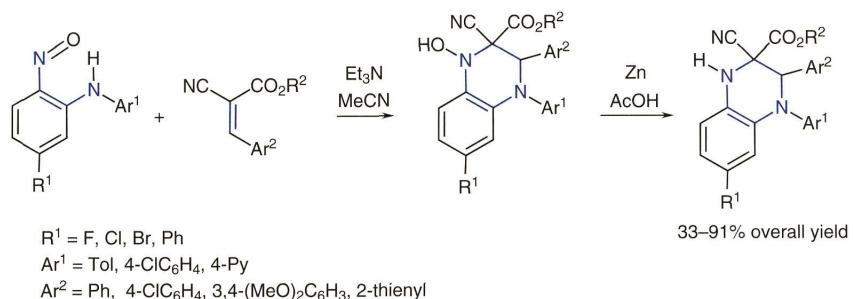
1941 W. Ren  
N. Tappin  
Q. Wang  
J. Zhu\*

### Synthetic Study towards Strictamine: The Oxidative Coupling Approach



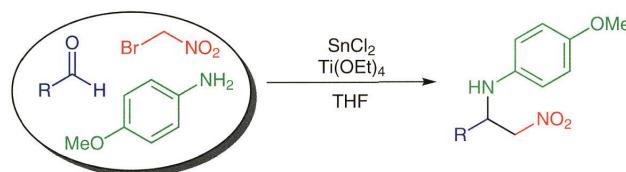
- 1945** M. Królikiewicz  
K. Błaziak  
W. Danikiewicz  
Z. Wróbel\*

**A Two-Step Synthesis of Selected 1,2,3,4-Tetrahydroquinoxaline Derivatives from *N*-Aryl-2-nitrosoanilines and Arylidene cyanoacetic Esters**



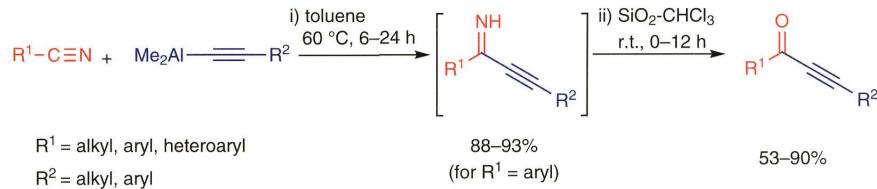
- 1949** R. G. Soengas\*  
A. M. S. Silva\*

**One-Pot Three-Component Barbier-Type Reaction for the Synthesis of  $\beta$ -Nitroamines**



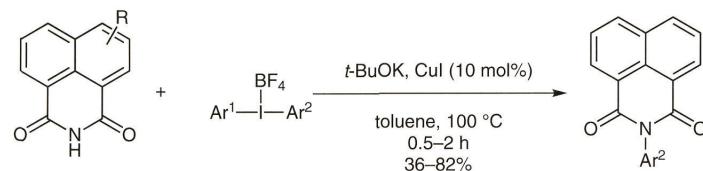
- 1953** B. L. Korbad  
S.-H. Lee\*

**Simple and General Procedure for the Synthesis of  $\alpha,\beta$ -Alkynyl Ketones from Nitriles Using Alkyndimethylaluminum Reagents**



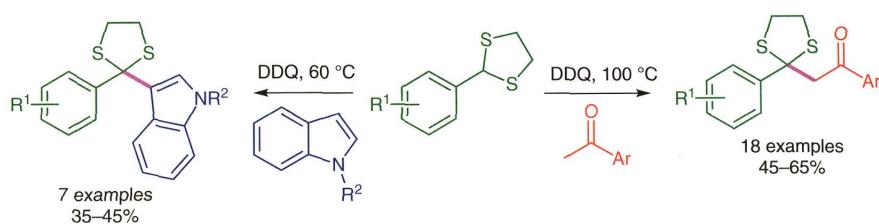
- 1959** S. Mao  
F. Guo  
J. Li  
X. Geng  
J. Yu  
J. Han  
L. Wang\*

**Copper-Catalyzed Direct N-Arylation of Naphthalimides Using Diaryliodonium Salts**

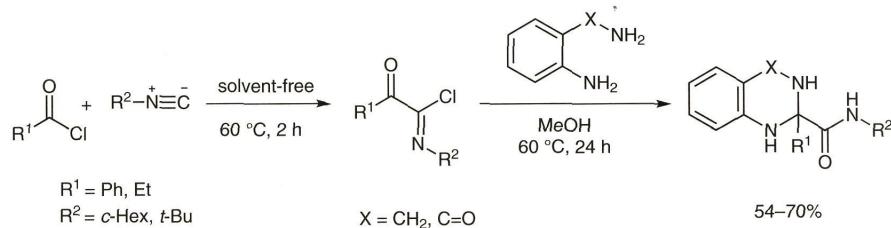


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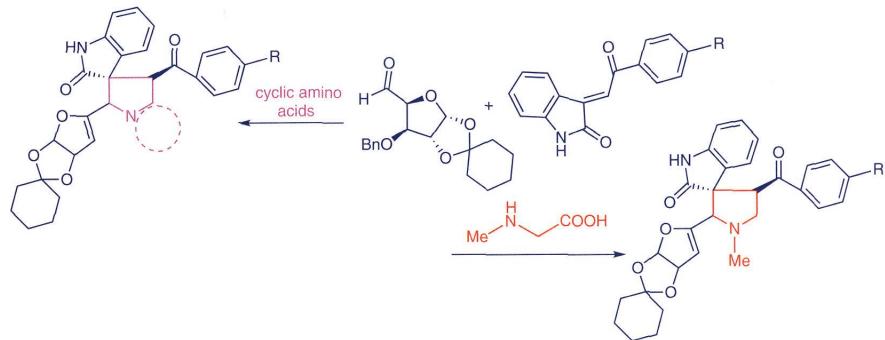
- 1963 K. N. Singh\*  
 P. Singh  
 P. Singh  
 Y. Maheshwary  
 S. V. Kessar  
 A. Batra

**Cross-Dehydrogenative Coupling of Dithiolanes with Ketones and Indoles under Metal-Free Conditions**

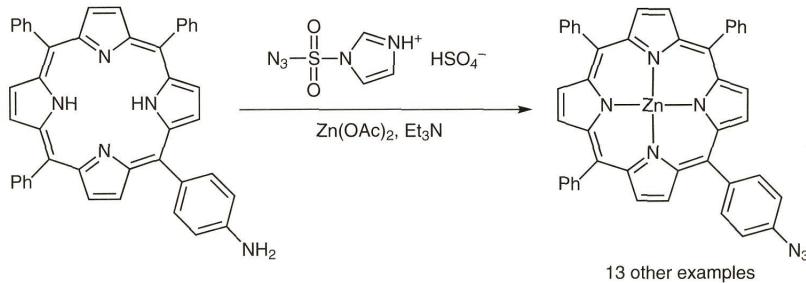
- 1968 A. Shaabani\*  
 M. Mahyari  
 M. Aghaei  
 S. Keshipour  
 S. W. Ng

**A Remarkable One-Pot Sequential Four-Component Synthesis of Tetrahydroquinazolines via an Isocyanide-Based Multicomponent Reaction**

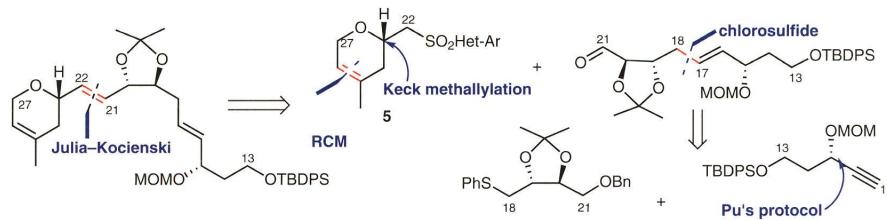
- 1973 N. Sirisha  
 R. Raghunathan\*

**Facile Synthesis of Novel Glycosyl Oxindoles through 1,3-Dipolar Cycloaddition**

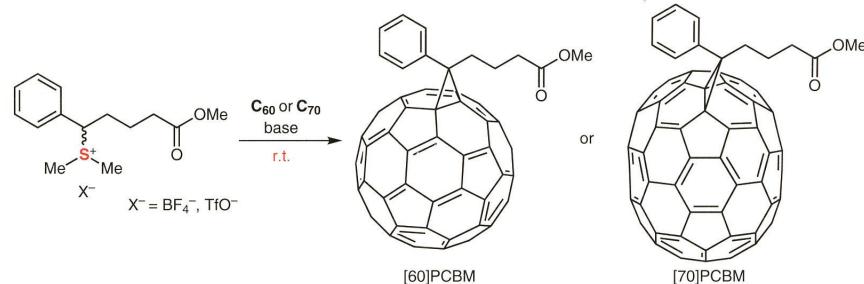
- 1978 F. Bryden  
 R. W. Boyle\*

**A Mild, Facile, One-Pot Synthesis of Zinc Azido Porphyrins as Substrates for Use in Click Chemistry**

1983

S. Raghavan\*  
P. K. SamantaStereoselective Synthesis of the C13–C28 Subunit of (−)-Laulimalide Utilizing an  $\alpha$ -Chlorosulfide Intermediate

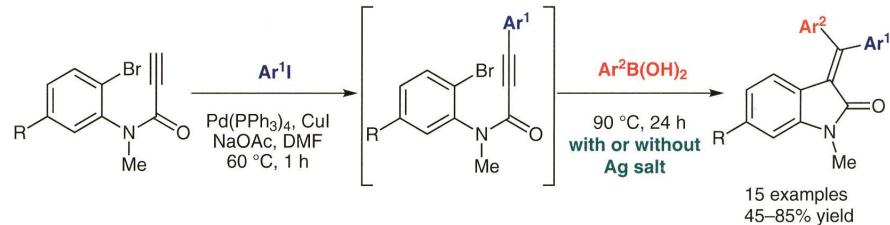
1988

T. Ito\*  
T. Iwai  
F. Matsumoto  
K. Hida  
K. Moriwaki  
Y. Takao  
T. Mizuno  
T. Ohno\*Facile Synthesis of [6,6]-Phenyl-C<sub>61/71</sub>-Butyric Acid Methyl Esters via Sulfur Ylides for Bulk-Heterojunction Solar Cell

1993

G. R. Dong  
S. Park  
D. Lee  
K. J. Shin  
J. H. Seo\*

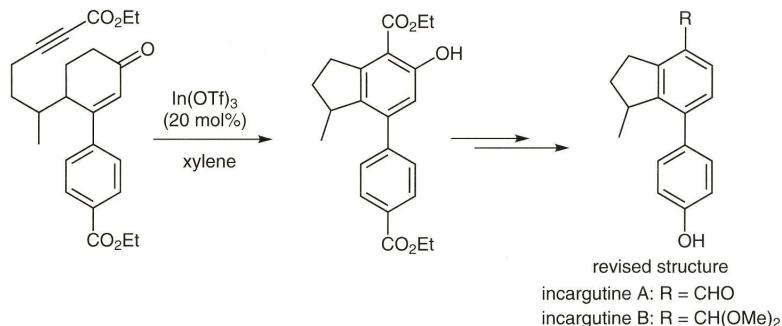
## Synthesis of 3-(Diaryl)methylene)oxindoles via a Palladium-Catalyzed One-Pot Reaction: Sonogashira–Heck–Suzuki–Miyaura Combined Reaction



1998

A. Kinbara  
T. Yamagishi  
H. Ouchi  
H. Miyaoka\*

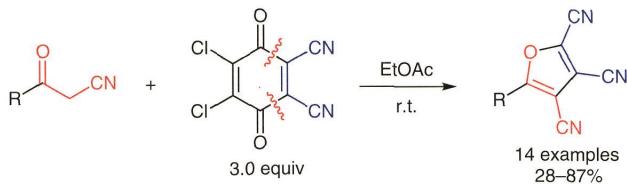
## Total Synthesis and Structural Revision of Incargutines A and B



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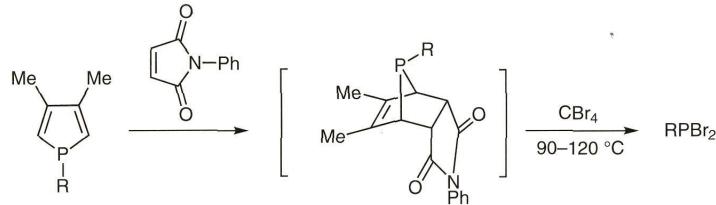
**2003** J.-S. Li\*  
 Y. Xue  
 Z.-W. Li\*  
 W.-D. Liu  
 C.-H. Lu  
 P.-X. Zhao

**An Efficient Access to Fluorescent 2,3,4-Tricyanofurans from  $\alpha$ -Cyano Ketones Using DDQ as Maleonitrile Building Block**



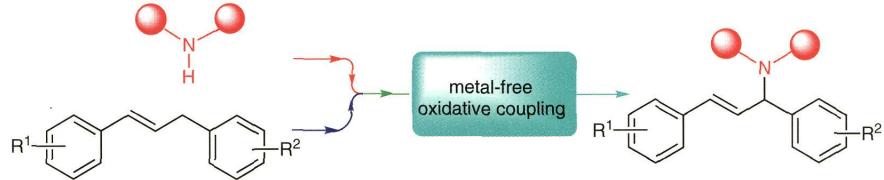
**2006** L. Wang  
 L. Zhang  
 H. Shi  
 Z. Duan\*  
 F. Mathey\*

**An Unconventional Synthesis of Dibromophosphines**



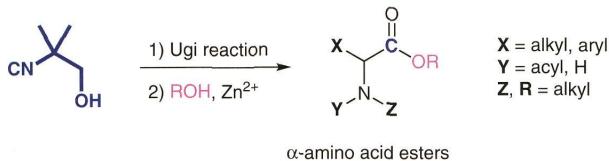
**2009** Y. Wu  
 F. Y. Kwong  
 P. Li\*  
 A. S. C. Chan\*

**An Efficient Oxidative Cross-Coupling Reaction between C–H and N–H Bonds; A Transition-Metal-Free Protocol at Room Temperature**



**2014** M. Oikawa\*  
 Y. Sugamata  
 M. Chiba  
 K. Fukushima  
 Y. Ishikawa

**1-Hydroxy-2-methyl-2-propyl Isocyanide (HMPI) as a New Convertible Isocyanide for the Ugi Four-Component-Coupling Reaction**



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<b>2019</b>	Compiled by M. Fizer	<b>Methallyl Isothiocyanate</b>
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<b>2021</b>	Compiled by X. Fei	<b>Toluenesulfonyl Cyanide (TsCN)</b>
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<b>XV</b>	<b>Forthcoming Articles</b>
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