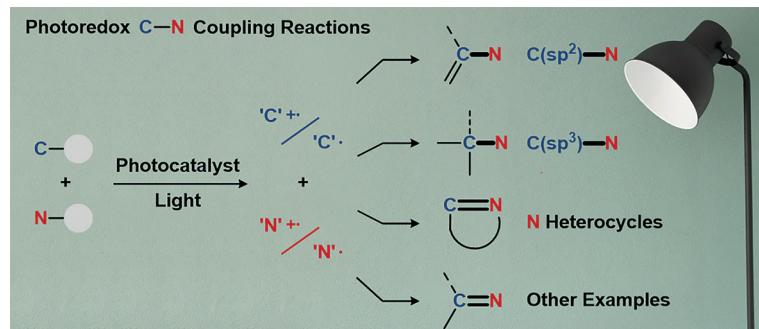


**Synthesis**

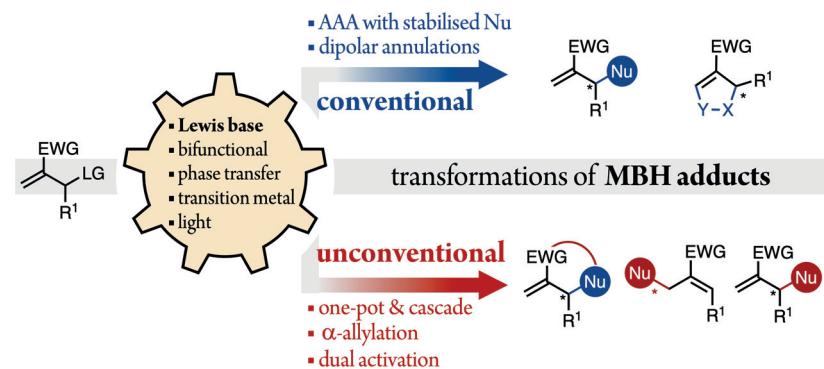
*Synthesis* 2020, 52, 2899–2921  
 DOI: 10.1055/s-0040-1707136

C.-M. Chan  
 Y.-C. Chow  
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**Recent Advances in Photocatalytic C–N Bond Coupling Reactions**
**Review**  
**2899**

**Synthesis**

*Synthesis* 2020, 52, 2922–2939  
 DOI: 10.1055/s-0040-1707207

A. Calcatelli  
 A. Cherubini-Celli  
 E. Carletti  
 X. Companyó\*  
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**Unconventional Transformations of Morita–Baylis–Hillman Adducts**
**Short Review**
**2922**


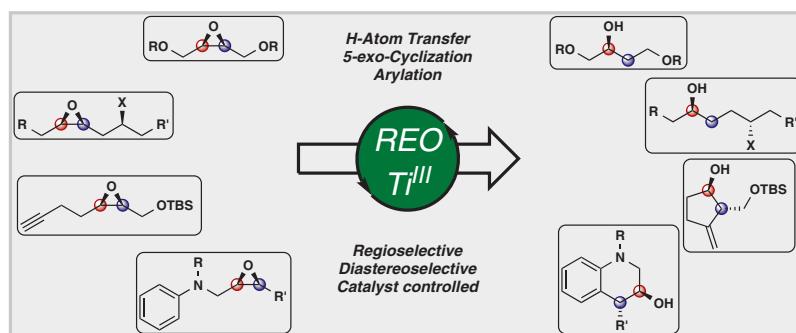
**Synthesis**

*Synthesis* 2020, 52, 2940–2947  
DOI: 10.1055/s-0040-1706403

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A. Gansäuer\*  
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**Titanocene-Catalyzed Regiodivergent Epoxide Opening – From Desymmetrizing *meso*-Epoxides to Regiodivergent Arylation of Epoxides****Short Review**

2940

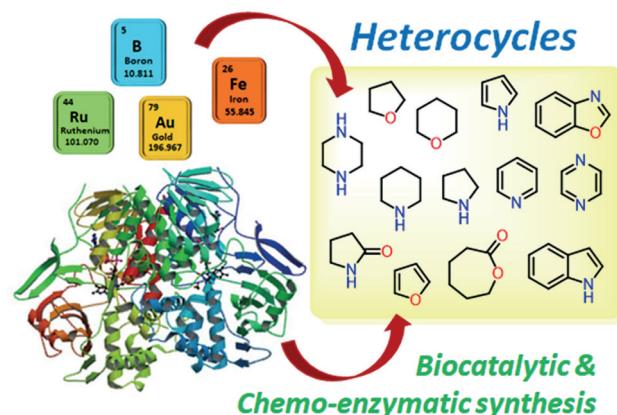
**Synthesis**

*Synthesis* 2020, 52, 2948–2961  
DOI: 10.1055/s-0040-1707210

F. Zhao  
D. Masci  
E. Tomarelli  
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**Biocatalytic and Chemo-Enzymatic Approaches for the Synthesis of Heterocycles****Short Review**

2948

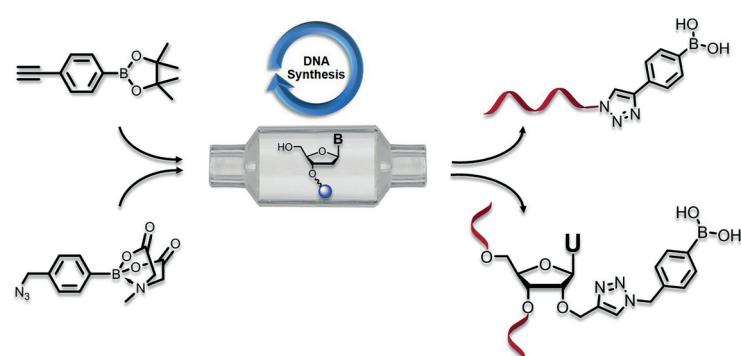
**Synthesis**

*Synthesis* 2020, 52, 2962–2969  
DOI: 10.1055/s-0040-1707194

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J.-J. Vasseur  
S. Müller  
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**Selective Chemical Modification of DNA with Boronic Acids by On-Column CuAAC Reactions****Feature**

2962



**Synthesis**

*Synthesis* 2020, 52, 2970–2978  
DOI: 10.1055/s-0040-1707886

F. Souquet

W. Drici

S. A. Fayssal

I. Lazouni

S. Thueillon

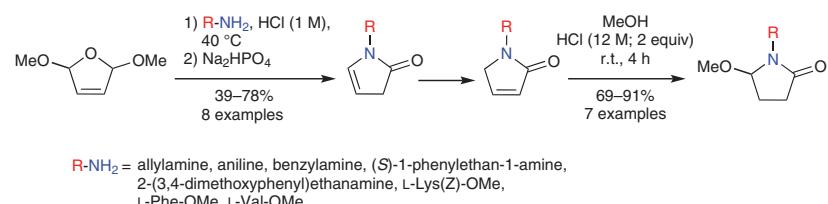
J. Pérard-Viret\*

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**N-Acyliminium Ion Chemistry: Improving the Access to Unsaturated  $\gamma$ -Lactams and Their N- $\alpha$ -Methoxylated Derivatives: Application to an Expeditive Synthesis of ( $\pm$ )-Crispine A**

PSP

2970

**Synthesis**

*Synthesis* 2020, 52, 2979–2986  
DOI: 10.1055/s-0040-1707205

Y.-X. Wang

Y.-N. Lu

L.-L. Xu

F.-T. Sheng

J.-P. Zhang\*

W. Tan\*

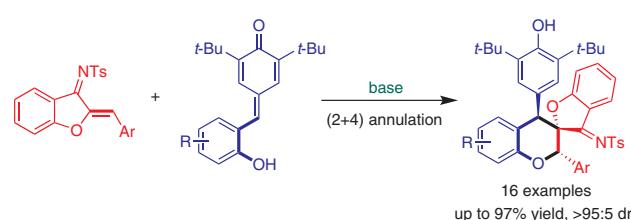
F. Shi\*

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Xuzhou Medical University,  
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**Application of Benzofuran-Derived Azadienes as Two-Carbon Building Blocks in Annulations: Chemo- and Diastereoselective Construction of Spiro-Benzofuran Scaffolds**

Paper

2979

**Synthesis**

*Synthesis* 2020, 52, 2987–3000  
DOI: 10.1055/s-0040-1707897

M. Dobesch

J. Greiner

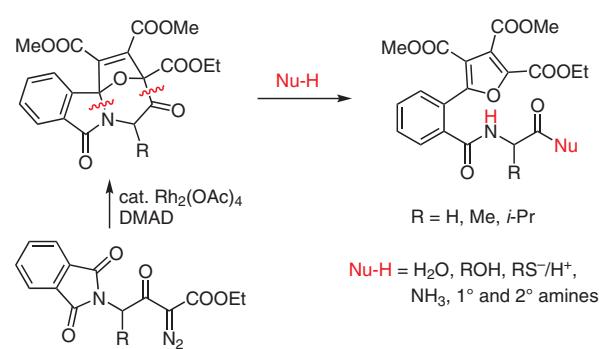
G. Maas\*

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**Tetrasubstituted Furans by Nucleophile-Induced Cleavage of Carbonyl Ylide–DMAD Cycloadducts**

Paper

2987



**Synthesis**

*Synthesis* 2020, 52, 3001–3006  
DOI: 10.1055/s-0040-1707899

Y.-X. Wu

K. Peng

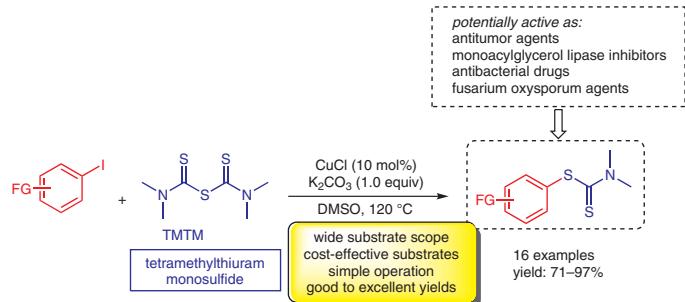
J.-H. Li

Z.-B. Dong\*

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P. R. of China  
Hubei University,  
P. R. of China

**An Efficient Copper-Catalyzed C(sp<sup>2</sup>)–S Formation Starting from Aryl Iodides and Tetramethylthiuram Monosulfide (TMTM)**

**Paper**  
**3001**

**Synthesis**

*Synthesis* 2020, 52, 3007–3017  
DOI: 10.1055/s-0040-1707906

K. Sakaguchi\*

Y. Nishioka

N. Kinashi

N. Yukihira

T. Shinada

T. Nishimura

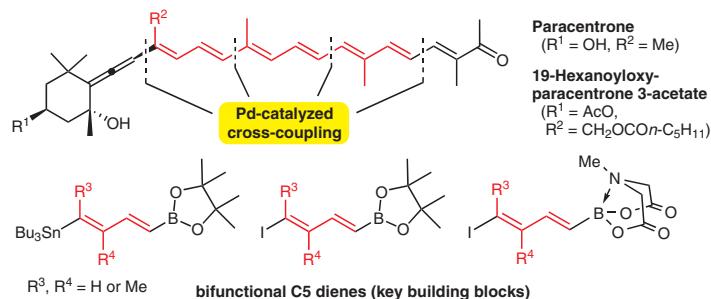
H. Hashimoto

S. Katsumura

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**Synthesis of Allene-Containing Apocarotenoids by Cross-Coupling Strategy**

**Paper**  
**3007**

**Synthesis**

*Synthesis* 2020, 52, 3018–3028  
DOI: 10.1055/s-0040-1707895

X.-W. Liu

S.-Q. Chang

Q.-L. Wang

S. Chen

J.-X. Wang

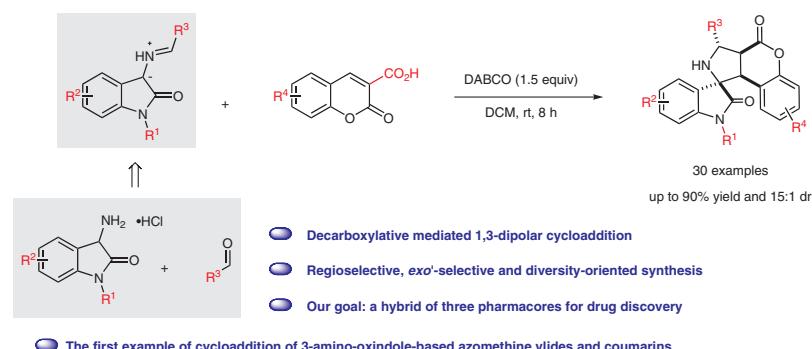
W. Zhou

Y. Zhou\*

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**Decarboxylative-Mediated Regioselective 1,3-Dipolar Cycloaddition for Diversity-Oriented Synthesis of Structurally exo'-Selective Spiro[oxindole-pyrrolidine-dihydrocoumarin] Hybrids**

**Paper**  
**3018**



**Synthesis**

*Synthesis* 2020, 52, 3029–3035  
DOI: 10.1055/s-0040-1707193

**Catalyst-Free Synthesis of Diastereomerically Pure 3-Sulfonylazetidin-2-ones via Microwave-Assisted Tandem Wolff Rearrangement–Staudinger Cycloaddition****Paper**

3029

**J. Synofzik****O. Bakulina****O. Balabas****D. Dar'in****M. Krasavin\***

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**Synthesis**

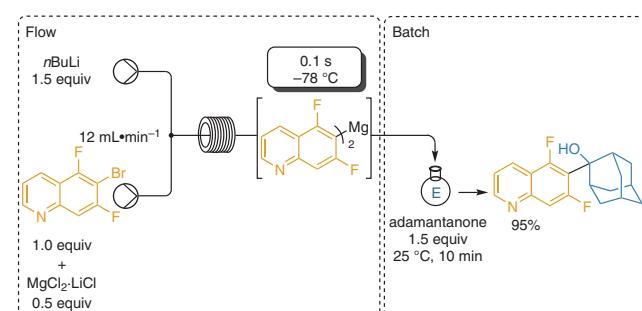
*Synthesis* 2020, 52, 3036–3046  
DOI: 10.1055/s-0040-1707167

**Preparation of Diorganomagnesium Reagents by Halogen–Lithium Exchange of Functionalized Heteroaryl Halides and Subsequent *in situ* Trapping with MgCl<sub>2</sub>·LiCl in Continuous Flow****Paper**

3036

**R. H. V. Nishimura****N. Weidmann****P. Knochel\***

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**Synthesis**

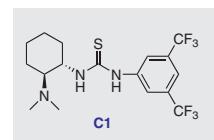
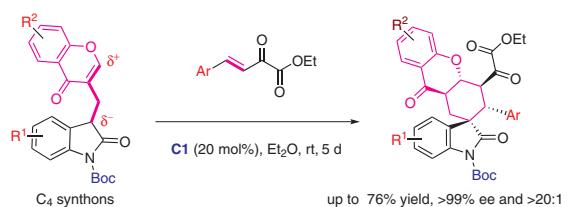
*Synthesis* 2020, 52, 3047–3057  
DOI: 10.1055/s-0040-1707340

**Catalytic Asymmetric Domino Michael/Annulation Reaction of Bifunctional Chromone Synthons with β,γ-Unsaturated α-Keto Esters: Rapid Access to Polysubstituted Spirocyclic Hexahydroxanthones****Paper**

3047

**H.-J. Zhou****W. Zhou****X.-L. Liu\*****Y.-P. Tian****J.-X. Wang****Y. Zhou\***

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- the first example of enone as C<sub>2</sub> synthon in chemistry of chromones
- potential biologically active molecules

**Synthesis**

*Synthesis* 2020, 52, 3058–3064  
DOI: 10.1055/s-0040-1707204

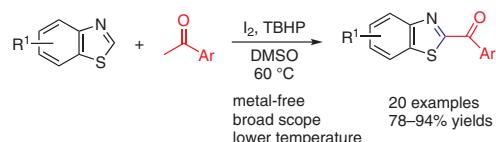
B. Wang  
Q. Zhang  
Z. Guo

K. Ablajan\*

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**Iodine- and TBHP-Promoted Acylation of Benzothiazoles under Metal-Free Conditions**

**Paper**  
**3058**

**Synthesis**

*Synthesis* 2020, 52, 3065–3070  
DOI: 10.1055/s-0040-1707186

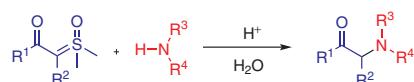
H. He  
K. Yan

J. Li  
R. Lai  
Y. Luo  
M. Guan\*  
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**Metal-Free Insertion of Sulfoxonium Ylides into Arylamines in Water**

**Paper**  
**3065**



- Metal-free
- Water as solvent
- Up to 87% yield
- 25 examples
- Suitable for late-stage modification

**Synthesis**

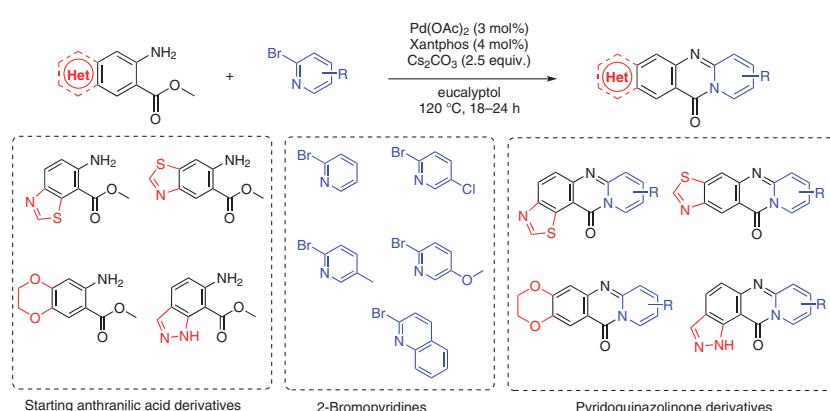
*Synthesis* 2020, 52, 3071–3076  
DOI: 10.1055/s-0040-1707158

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**Synthesis of Benzo-Fused 11*H*-Pyrido[2,1-*b*]quinazolin-11-ones by a Buchwald–Hartwig Coupling/Pyridine Dearomatization Sequence in Eucalyptol**

**Paper**  
**3071**



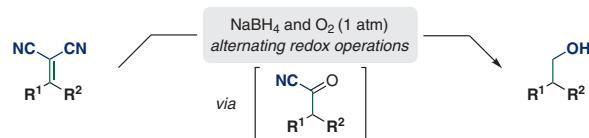
**Synthesis**

*Synthesis* 2020, 52, 3077–3085  
DOI: 10.1055/s-0040-1707184

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**Functional Group Interconversion of Alkylidenemalononitriles to Primary Alcohols by a Cooperative Redox Operation**

**Paper**  
**3077**

**Synthesis**

*Synthesis* 2020, 52, 3086–3094  
DOI: 10.1055/s-0040-1707347

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R. Bujok  
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**Reductive Condensation of a Nitro Group with Carboxylic Acids Promoted by Phosphorus(III) Compounds: A Short Route to 5H-Dibenzo[*b,e*][1,4]diazepin-11(10*H*)-ones**

**Paper**  
**3086**

**Three Metal-Free Steps in One Operation in One Pot**

