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Cross Dehydrogenative Coupling

This release includes eight new articles from the upcoming volume

Cross-Dehydrogenative Coupling.

Edited by Prof. Debabrata Maiti (Indian Institute of Technology Bombay, India)



- **Cross-Dehydrogenative Coupling: Development and Perspectives**
C.-Y. Huang, H. Kang, and C.-J. Li
- **(Het)Arene/Alkane Cross-Dehydrogenative Coupling for C(sp²)–C(sp³) Bond Formation**
T. Iwasaki and N. Kambe
- **(Het)Arene/(Het)Arene Cross-Dehydrogenative Coupling for C(sp²)–C(sp²) Bond Formation**
N. Jha and M. Kapur
- **C–C Bond Formation in Flow Systems Through Cross-Dehydrogenative Coupling**
G. M. Martins, R. C. Silva, G. C. Zimmer, T. J. Brocksom, and K. T. de Oliveira
- **(Het)Arene/Alkene Cross-Dehydrogenative Coupling for C(sp²)–C(sp²) Bond Formation**
C. Sambiago and B. U. W. Maes
- **(Het)Arene/Alkane Cross-Dehydrogenative Coupling for C(sp²)–C(sp³) Bond Formation**
T. Iwasaki and N. Kambe
- **Alkene/Alkene Cross-Dehydrogenative Coupling for C(sp²)–C(sp²) Bond Formation**
F. Kakiuchi and T. Kochi
- **C–C Bond Formation through Cross-Dehydrogenative Coupling in Natural Product and API Synthesis**
T. Fukuta and M. Kanai

Base-Metal Catalysis

This release includes ten new articles from the upcoming volume

Base-Metal Catalysis 2.

Edited by Prof Naohiko Yoshikai (Tohoku University, Japan)



- **Base-Metal-Mediated Cross Couplings Using *N*-(Acyloxy)phthalimides**
S. P. Panda, S. K. Hota, A. Jindal, and S. Murarka
- **Iron-Based Chiral Lewis Acid Catalysts in Organic Synthesis**
T. Ollevier
- **Cobalt- and Iron-Catalyzed Hydrosilylation**
Z. Cheng, M. Li, and Z. Lu
- **Manganese-, Iron-, and Cobalt-Catalyzed Radical Alkene Hydrofunctionalization**
V. van der Puyt and R. A. Shenvi
- **Cobalt- and Iron-Catalyzed Hydroboration**
S. Ge and X. Yang
- **Manganese-Catalyzed C-H Functionalization**
Y. Yang and C. Wang
- **Cobalt-Catalyzed Cross-Coupling Reactions**
P. Schiltz, M. Gao, and C. Gosmini
- **Chromium-Catalyzed Cross Coupling and C-H Functionalization**
X. Zeng
- **Iron-Catalyzed C-H Functionalization**
S. Banerjee and L. Ilies
- **Catalytic Nozaki–Hiyama–Kishi (NHK) Type Reactions**
J. Sang and G. Zhang

Science of Synthesis Knowledge Updates

SOS is continuously updated with high-quality content using clearly defined criteria for method selection as well as established editorial processes. The Editorial Board, in conjunction with the volume editors and expert authors, reviews the whole field of synthetic organic chemistry as presented in SOS and evaluates significant developments in synthetic methodology.

This release includes three new articles from the **Knowledge Updates**.

- ***gem*-Diborylalkanes**
Z. Bao and J. Wang
(Ed. E. Fernández)
- **Borepins**
C. Hong and J. D. Tovar
(Ed. E. Fernández)
- **Acid Fluorides**
M.-R. Ouellet-Du Berger and J.-F. Paquin
(Ed. J.-M. Campagne)