DESCRIPTION

Today, arylation methods are belonging to the most important reaction types in organic synthesis. Lutz Ackermann, a young and ambitious professor has gathered a number of top international authors to present the first comprehensive book on the topic.

Starting from a historical review, the book covers hot topics like Palladium-catalyzed arylation of N-H and alpha-C-H-acidic Bonds, Copper-catalyzed arylation of N-H and O-H Bonds, direct arylation reactions, carbanion aromatic synthesis, arylation reactions of alkenes, alkynes and much more.

This compact source of high quality information is indispensable to synthetic chemists and those working in the pharmaceutical and chemical industry.

ABOUT THE AUTHOR

Lutz Ackermann was educated at the Christian-Albrechts-University Kiel, Germany, and obtained his Ph.D. in 2001 under the supervision of Alois Fürstner, Max-Plank-Institut für Kohlenforschung in Mülheim/Ruhr. He was a DAAD postdoctoral fellow in the laboratories of Robert G. Berman at the University of California at Berkeley, USA, and initiated his independent career - supported by the Emmy Noether-program (DFG) - in 2003 at the Ludwig-Maximilians-University in Munich. In 2007, he became a full professor at the Georg-August-University Göttingen. The unifying theme of his research program is represented by the development of novel concepts for efficient catalytic processes. Lutz Ackermann was visiting professor at the Università degli Studi
di Milano, Italy, as well as the University of Wisconsin at Madison, USA, and his recent awards include an ORCHEM-prize, an ADUC-prize, and a Dozentenstipendium (FCI).

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