DESCRIPTION

• Most current state-of-the-art overview of this important class of compounds, encompassing many new and emerging applications

• The number of articles on organic azides continues to increase tremendously; on average, there are more than 1000 new publications a year

• Covers basic chemistry as well as state-of-the-art applications in life science and materials science

• World-ranked authors describe their own research in the wider context of azide chemistry

• Includes a chapter on safe synthesis and handling (azides can decompose explosively)

ABOUT THE AUTHOR

Stefan Bräse was born in Kiel, Germany, in 1967 and studied chemistry in Göttingen, Bangor (UK) and Marseille (France). In 1995, he obtained his doctorate after working with Armin de Meijere at the University of Göttingen. After post-doctoral appointments at Uppsala University, Sweden (J.-E. Bäckvall) and The Scripps Research Institute, La Jolla, USA (K. C. Nicolaou), he began his independent research career at the RWTH Aachen associated with Dieter Enders in 1997 and finished his habilitation in 2001. He became Professor at the University of Bonn that same year. Since 2003, he is Full Professor at the University of
Karlsruhe - in October 2009 renamed to the Karlsruhe Institute of Technology. Stefan Bräse has published more than 100 publications and is recipient of the ORCHEM award in 2000. His research interests include methods in drug-discovery (including drug delivery), combinatorial chemistry towards the synthesis of biologically active compounds, total synthesis of natural products and nanotechnology.

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