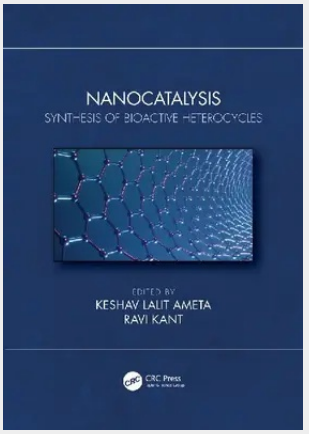
Ameta / Kant

Nanocatalysis

Synthesis of Bioactive Heterocycles



The field of nanocatalysis is undergoing rapid development. Nanocatalysis can help in designing catalysts with excellent activity, greater selectivity, and high stability. Their properties can easily be tuned by tailoring the size, shape, and morphology of the particular nanomaterial. Exhibiting both homogeneous and heterogeneous catalytic properties, nanocatalysts allow for rapid and selective chemical transformations, with the benefits of excellent product yield and ease of catalyst separation and recovery. Nanocatalysis: Synthesis of Bioactive Heterocycles reviews the catalytic performance and the synthesis and characterization of nanocatalysts, examining the current state of the art and pointing the way towards new avenues of research specially synthesis of bioactive heterocycles. Top researchers summarize synthetic methodologies for the synthesis of bioactive heterocycles using a nanocatalytic framework. The catalytic performance and the synthesis and characterization of nanocatalysts are reviewed. State of the art methods and new and emerging applications of nanocatalysts in the synthesis of biologically active heterocycles are detailed. Additional features include: - Focuses on designing and synthesizing nanocatalysts specifically for the synthesis of different bioactive heterocycles. - Demonstrates how nanocatalysis can produce catalysts with excellent activity, greater selectivity, and high stability. - Explores tuning catalysts properties by tailoring the size, shape, and morphology of a nanomaterial. - Offers the reader insights into the field of nanoscience via nanocatalysis. Nanocatalysis: Synthesis of Bioactive Heterocycles is a must read for researchers in organic chemistry, medicinal chemistry and biochemistry.

The book provides a succinct summary of synthetic methodologies explored for the synthesis of bioactive heterocycles using a nanocatalytic framework. Reviewing catalytic performance and the synthesis and characterization of nanocatalysts, this is a must read for researchers in organic chemistry, medicinal chemistry and biochemistry.

230,30 €
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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9780367693541
Medium: Buch
ISBN: 978-0-367-69354-1
Verlag: CRC Press
Erscheinungstermin: 08.07.2022
Sprache(n): Englisch
Auflage: 1. Auflage 2022
Produktform: Gebunden
Gewicht: 708 g
Seiten: 268
Format (B x H): 183 x 260 mm