



What's
New?

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Content

New: Science of Synthesis Reference Library

The Reference Library comprises volumes covering special topics in organic chemistry. With expert evaluated content focusing on subjects of particular current interest, the SOS Reference Library complements the SOS Knowledge Updates to make SOS the complete information source for the modern synthetic chemist.

The field of dual catalysis has developed rapidly over the last decade, and these Science of Synthesis volumes define its impact on organic synthesis. The most important, basic concepts of synergistic, dual catalytic cycles are introduced, providing newcomers to the field with reliable information on this new approach to facilitating the synthesis of organic molecules. Background information and reliable procedures for challenging transformations in synthesis are presented, applying the concept of cooperative dual catalysis as a means of increasing molecular complexity in the most efficient manner. The most useful, practical, and reliable methods for dual catalysis combining metal catalysts, organocatalysts, photocatalysts, and biocatalysts are presented.

Within the realm of metal/metal dual catalysis, combinations of palladium, nickel, copper, zinc, iridium, gold, rhodium, and iron are covered, while in metal/photocatalyst dual catalysis, the focus is on the use of nickel, palladium, and gold complexes with metal-based or organic photocatalysts. For metal/organocatalyst dual catalytic processes, the metals highlighted are palladium, gold, and rhodium.

Dual catalytic processes involving the combination of metal/biocatalyst, organocatalyst/photocatalyst, organocatalyst/biocatalyst, two organocatalysts, or two biocatalysts are also reviewed.



This release includes two new reference library volumes:
Dual Catalysis in Organic Synthesis (Vols. 1 & 2)

Approx. **840 printed pages**

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