DESCRIPTION

This first book to illuminate this important aspect of chemical synthesis improves the lifetime of catalysts, thus reducing material and saving energy, costs and waste.

The international panel of expert authors describes the studies that have been conducted concerning the way homogeneous catalysts decompose, and the differences between homogeneous and heterogeneous catalysts.

The result is a ready reference for organic, catalytic, polymer and complex chemists, as well as those working in industry and with/on organometallics.

ABOUT THE AUTHOR

Piet van Leeuwen is group leader in the Institute of Chemical Research of Catalonia, Tarragona, Spain, since 2004 and emeritus professor of homogeneous catalysis at the University of Amsterdam. Until 1994 he headed a research group at Shell Research in Amsterdam studying many aspects of homogeneous catalysis. He coauthored 300 publications, 30 patents, many book chapters, is author of the book "Homogeneous catalysis: Understanding the art". In 2005 he won the Holleman Prize (for organic chemists), granted only every five years by the Royal Academy, and obtained a Marie Curie Chair of Excellence in Tarragona.

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