DESCRIPTION

This first book to focus on catalytic processes from the viewpoint of green chemistry presents every important aspect:

- Numerous catalytic reductions and oxidations methods
- Solid-acid and solid-base catalysis
- C-C bond formation reactions
- Biocatalysis
- Asymmetric catalysis
- Novel reaction media like e.g. ionic liquids, supercritical CO2
- Renewable raw materials

Written by Roger A. Sheldon -- without doubt one of the leaders in the field with much experience in academia and industry -- and his co-workers, the result is a unified whole, an indispensable source for every scientist looking to improve catalytic reactions, whether in the college or company lab.
ABOUT THE AUTHOR

All three authors are currently employed at the TU Delft. Their research is directed towards the development of atom-efficient, low-waste processes for the synthesis of high added value chemicals, such as pharmaceuticals and chiral intermediates. Within the framework of green chemistry the aim is to respond to the public need towards the 12 principles of green chemistry.

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