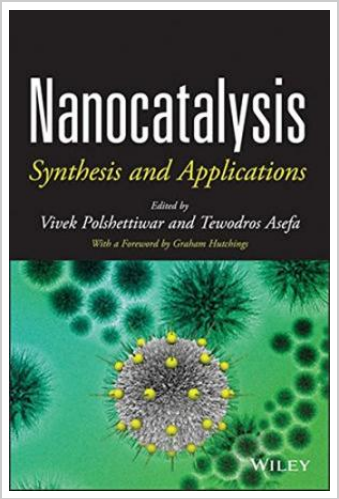

Nanocatalysis: Synthesis and Applications (Hardback)

By -

John Wiley Sons Inc, United States, 2013. Hardback. Book Condition: New. New.. 234 x 163 mm. Language: English . Brand New Book. 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. This book 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. Moreover, the authors discuss new and emerging applications of nanocatalysts and nanocatalysis, from pharmaceuticals to fine chemicals to renewable energy to biotransformations. Nanocatalysis features contributions from leading research groups around the world. These contributions reflect a thorough review of the current literature as well as the authors first-hand experience designing and synthesizing nanocatalysts and developing new applications for them. The book s nineteen chapters offer a broad perspective, covering: * Nanocatalysis for carbon-carbon and carbon-heteroatom coupling reactions * Nanocatalysis for various organic transformations in fine chemical synthesis * Nanocatalysis for oxidation, hydrogenation, and other related reactions * Nanomaterial-based photocatalysis and biocatalysis * Nanocatalysts to produce non-conventional energy such as hydrogen and biofuels * Nanocatalysts and nano-biocatalysts in the chemical industry...

Reviews

Excellent eBook and useful one. it was actually writtern extremely perfectly and useful. You wont truly feel monotony at at any time of your time (that's what catalogues are for about when you question me).

-- ***Zora Koch IV***

This is the best ebook we have read till now. I was able to comprehended almost everything out of this created e book. I realized this ebook from my dad and i suggested this publication to discover.

-- ***Everett Mertz***