DESCRIPTION

This first book to focus on the topic serves as a basis for defining a roadmap for the role of catalysis in energy production. As such, this ready reference for researchers and engineers covers all the hot topics from a broad perspective -- fuel cells, hydrogen production and storage, methane storage and industrial catalysis.

With its analysis of new directions and opportunities in the area and its integration of industrial, governmental and academic points of view, this is a real must-have for everyone interested in "greener" energy production.

ABOUT THE AUTHOR

Pierluigi Barbaro obtained his PhD from the University of Florence and completed his Post-Doctoral work at ETH in Zurich, later becoming a permanent Researcher at the Istituto di Chimica dei Composti Organo Metallici in Florence. Since 2005 he has been a member of the Governing Board of the VIº FP Network of Excellence IDECAT "Integrated Design of Catalytic Nanomaterials for a Sustainable Production". His main research interest is in the field of homogeneous, heterogeneous and asymmetric catalysis, in particular nanostructured catalysts for application in sustainable production processes. He is the author of more than 60 research papers and 6 patents. In 1991 he was awarded the National award "Federchimica".

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