



Catalysts for Sustainable Hydrogen Production: Preparation, Applications and Process Integration, 2nd Edition

Guest Editors:

Dr. Concetta Ruocco

Department of Industrial Engineering, University of Salerno, Via Giovanni Paolo II, Fisciano, Italy

Dr. Marco Martino

Energy Technology and Renewable Sources Department (TERIN)—ENEA—Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Piazzale Enrico Fermi, 1, Località Granatello, 80055 Portici, Italy

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Message from the Guest Editors

The current Special Issue is a continuation of the previous successful SI entitled “Catalysts for Sustainable Hydrogen Production: Preparation, Applications and Process Integration”. Hydrogen is considered the most promising energy carrier for the transition to renewable energy sources, and in supporting the electrification of processes which require long-term energy storage. However, a number of problems related to the production, storage and transport of hydrogen are still not fully resolved. Furthermore, hydrogen is a strategic reagent for several production processes, such as hydrocarbon production processes, in addition to playing a role in CO₂ capture and use. Thus, a wide range of hydrogen production processes and associated technologies have been identified as alternatives to the conventional unsustainable methods for H₂ generation.

This Special Issue mainly refers to innovative options as well as green methods for clean hydrogen generation and application. Both review and original research articles focused on all aspects of heterogeneous catalysis are welcomed

