

Special Issue

Catalytic Metals and Their Application

Message from the Guest Editor

Nowadays, catalytic metals have been developed into a large family, including transition metal catalysts, rare-earth metal catalysts, noble metal catalysts, non-noble metal catalysts, metal alloy/solution catalysts, metal-based compound/composite catalysts, metal-organic frameworks for catalysts/organometal catalysts, liquid metal catalysts, metal-support catalysts, and many other metal-related catalysts. The main prerequisite for the future success of catalytic metals and their application is further improvements in existing, and the development of novel, catalytic metals, including high-performance catalytic metals with a new composition and novel microstructure, as well as their preparation methods. This Special Issue, *Catalytic Metals and Their Application*, will focus on all respects related to catalytic metals and metallic catalysis (see the keywords/topics below). The papers presented in this Special Issue will represent the state of the art in the catalysis science and engineering.

Guest Editor

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About the Journal

Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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