

Special Issue

Synthesis and Application of Intermetallic Compounds Catalytic Materials

Message from the Guest Editors

Catalysis is one of the key and core technologies in chemical industry, which plays a crucial role in various fields including petroleum refining, energy conversion, environmental protection and fine chemical. The development and great progress of catalytic technology largely depends on the design of new catalytic materials. Therefore, the research and development of new catalytic materials has always been one of the core contents of chemical technology innovation, and also one of the most challenging topics in the field of catalytic science and technology. Recently, intermetallic compounds in catalysis as a hot topic has received growing attention, especially in selective hydrogenation, oxidation, and electrochemical energy conversion. The synthetic principles and strategies developed to obtain intermetallic compounds catalysts as well as their surface chemical analysis have aroused extensive research interest. Accordingly, researches on intermetallic compounds in catalysis are welcome in this Special Issue of *Molecules*, which will contribute to the rapid development of new catalytic materials.

Guest Editors

Dr. Xiao Chen

State Key Laboratory of Fine Chemicals and Laboratory of Advanced Materials and Catalytic Engineering, School of Chemical Engineering, Dalian University of Technology, Dalian 116024, China

Dr. Guanghui Zhang

School of Chemical Engineering, Dalian University of Technology, Dalian 116024, China

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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