Special Issue

Mineral-Based Composite Catalytic Materials

Message from the Guest Editors

Minerals are widely distributed across nature, and are often used as a support for catalysts due to their special physical–chemical properties. Generally, most minerals used as catalyst supports have a layered structure, which can be roughly divided into kaolinite, smectite, vermiculite, hydromica, fiber rod stone, etc. Developing mineral-based catalysts is an important part of green catalytic technology that should be noticed in environment protection, energy conversion and other green chemical fields. This Special Issue is dedicated to collecting original research on environment protection and energy conversion, and original research, reviews and perspective articles are welcome. All the papers should relate to the following topics:

- Synthesis and modification of mineral-based catalysts;
- Catalytic pollutant degradation (including air and water pollution treatment);
- Catalytic water splitting and H2 production;
- Catalytic CO2 reduction;
- Catalytic conversion of biomass.

If you would like to submit papers to this Special Issue or have any questions, please contact the editor, Mr. Ives Liu (ives.liu@mdpi.com).

Guest Editors

Prof. Dr. Pengwei Huo

Dr. Xin Liu

Prof. Dr. Zhi Zhu

Dr. Yunlei Zhang

Deadline for manuscript submissions

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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Prof. Dr. Keith Hohn
Carl R. Ice College of Engineering, Kansas State University, Manhattan, KS, USA

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