Special Issue

Catalytic Applications of Nanomaterials

Message from the Guest Editors

This Special Issue, “Catalytic Applications of Nanomaterials”, focuses on the latest research and development in this area. We specifically highlight the “green” and precise synthesis of nanomaterials as well as the novel concept of using nanomaterials in catalytic reactions to achieve various environmental and energy applications

- Nanomaterials’ design and synthesis;
- Application of nanomaterials in electrocatalysis/photocatalysis/thermocatalysis;
- Environmental catalysis (organic pollutants degradation, water disinfection, wastewater treatment, air pollution control, CO2 reduction, N2 fixation, etc.);
- Energy catalysis (solar to chemical enery conversion, solar cells, hydrogen generation, value-added chemicals synthesis, etc.);
- Catalytic process modeling and optimization;
- Catalytic mechanisms at the molecular level;
- Catalytic reactor design for applications;
- Any other aspects of catalysis and nanomaterials.

Guest Editors

Prof. Dr. Wanjun Wang

College of Environmental Science and Engineering, Guangdong University of Technology, Guangzhou 510006, China

Dr. Zhuofeng Hu

School of Environmental Science and Engineering, Guangdong Provincial Key Laboratory of Environmental Pollution Control and Remediation Technology, Sun Yat-sen University, Guangzhou 510006, China

Deadline for manuscript submissions

closed (20 July 2023)

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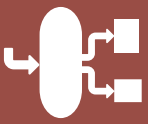

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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