Special Issue

Design and Properties of Functional Nanocatalysts

Message from the Guest Editor

This Special Issue, “Design and Properties of Functional Nanocatalysts”, focuses on the design of nanoscale functional catalysts with respect to theory, methods and applications, and coincides with the research scopes of environmental and energy catalytic conversion, material science, biocatalytic systems and sustainability. The goals of this Special Issue are to:

- Develop theoretical foundations and synthetic methods for the design of functional catalysts;
- Identify the properties of the designed catalysts, such as their morphology, size and electronic structure;
- Gain insight into the correlation of the structural design of functional materials with their catalytic performance (e.g., photo-, electro- and biocatalytic systems);
- Develop applications for functional catalysts in the fields of sustainable environmental catalysis (e.g., pollutant removal and adsorption) and clean energy catalysis (e.g., fuel cells).

Other relevant nanomaterials and their applications will also be considered.

Guest Editor

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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