Special Issue

Heterogeneous Catalyst for Energy Conversion and Environmental Applications

Message from the Guest Editors

This Special Issue focuses on the recent advances and significance of nanomaterials (e.g., 0D, 1D, 2D, and 3D dimensional nanomaterials), related to the rational design, modification strategy, and study of unique properties of heterogeneous catalysts for efficient catalytic, photocatalytic, and photo-electrochemical applications for energy conversion and environmental remediation. Heterogeneous catalysts in the form of nanomaterials and various dimensionalities (0D, 1D, 2D, and 3D) are important species in most applications because they serve as the bridging agents on heterojunctions or interfaces, or act as co-catalysts for unique charge interaction, improvement in electronic properties and surface chemistry for an efficient chemical reaction to take places. In addition, engineering heterogeneous catalysts in different dimensionalities enhances mass transfer, promoting efficient catalytic performance. We kindly invite you to submit a manuscript for this Special Issue on "Heterogeneous Catalyst for Energy Conversion and Environmental Applications". Full papers, communications, and reviews are all welcome.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/143032

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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