Special Issue

Multi-Field-Assisted Catalysis in Nanostructured Materials

Message from the Guest Editors

Nanostructured catalysts have recently experienced tremendous advancement in energy-based technologies and a rise in demand for the manufacture and use of sustainable fuels. Applications involving nanostructured materials in catalysis with the assistance of multi-fields will be one of the topics discussed in this Special Issue. Possible subjects include, but are not limited to:

The development of nanostructured materials for catalysis applications; multi-field-assisted catalysis processes (e.g., light, thermal, electric, magnetic, and mechanical fields); photocatalysts; electrocatalysts, thermalcatalysts, piezocatalysts, pyrocatalysts, and other novel nanostructured catalytic materials; nanostructured materials for environmental remediation; water purification; renewable energy sources, etc.; and future perspectives for the theoretical design of nanomaterials and innovative procedures/techniques for creating external-field-assisted nanostructured catalytic materials.

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