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Multi-Field-Assisted Catalysis in Nanostructured Materials

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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, other novel and nanostructured catalytic materials; nanostructured for environmental materials 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.



