

Special Issue

High-Efficiency Nanomaterials Synthesis and Applications

Message from the Guest Editors

This Special Issue will intensively cover the topic area of “High-Efficiency Nanomaterials Synthesis and Applications”, exploring the significance of state-of-the-art research in the field. Topics of interest for this Special Issue include, but are not limited to, the following:

- Design of novel nanomaterials;
- Porous and surface-modified nanomaterials;
- Reaction kinetics of nanomaterials;
- Assembly of core-shell nanomaterials;
- Nanomaterials for solar cells and sensor applications;
- Usage of nanomaterials for wastewater treatment and hazardous materials removal or detection;
- Nanomaterials synthesis for energy storage devices;
- Nanomaterials design for energy conversion and catalytic applications including fuel cells and electro- and photo-catalysts;
- Nanostructure's role on antimicrobial and biological properties;
- Nanomaterial conversion of environmental waste materials etc.

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