

Special Issue

Application of Heterogeneous Catalysts in Energy Conversion and Storage Systems

Message from the Guest Editors

This is a Special Issue on the recent advances in carbon-based materials that are used in various energy storage and conversion fields, including: (1) Pyrolysis; (2) Hydrothermal Conversion techniques; (3) Hydrogen evolution under artificial solar irradiation; (4) Anaerobic Digestion; (5) Fischer–Tropsch process; (6) Emerging fuel cell technology; (6) Supercapacitors (SCs) and lithium/sodium-ion batteries; (7) Electrocatalysts; (8) Liquid and gas phase biochemical conversion. We are interested in papers dealing with but not limited to the discovery of new biochar-based composites integrated with conventional transition metals, alumina, zeolite, and mesopores silica. Catalysts made from activated carbon, carbon nanotubes/fibers, and graphene that are conventionally used in the above processes also included. We invite the authors to submit original research, review articles on the broad topic of the above conversions. Submissions of computational articles that elucidate mechanisms are also welcome. Our editorial process focuses on the robustness and validity of your research rather than making subjective decisions on your manuscripts.

Guest Editors

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Deadline for manuscript submissions

closed (15 October 2022)



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