Special Issue

Advanced Functional Materials for Sustainable and Greener Applications

Message from the Guest Editors

Advanced functional materials play a pivotal role in the development of many fields such as energy, electronics, medicine, biosensing, the environment, communication and information. Driven by recent advances in science and technology innovation, sustainable and green applications based on functional materials are becoming increasingly popular. Advanced functional materials can be designed and fabricated by using a combination of organic and inorganic, sustainable biomass with or without polymers, and nanomaterials. These multiphase materials also present a wide variety of fascinating functions with highly tunable properties. In response to sustainable development and societal challenges, researchers and engineers have now intended to focus on creating emergent, complex functional materials with this combination of properties for engineering, medicine, and space applications. It is anticipated that the revolution of innovative, advanced functional materials and interfaces will accelerate the advancement of materials toward a sustainable and green world.

Guest Editors

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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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