

Special Issue

Degradation and Evolution of Energy Materials

Message from the Guest Editors

Energy materials are essential in our modern world and are expected to have useful lifetimes that range from 25 to over 50 years. The need for long lifetimes and large investments are barriers that new energy producing technologies must surmount to provide a substantial proportion of global energy. This has motivated many researchers to focus on the science of degradation and evolution of energy materials. Green and everlasting energy materials have also received increasing attention as regards the development of sustainable energy systems. In order to develop these energy materials, the degradation and evolution characteristics of energy materials should be identified, and diagnostic and prognostic methods to elucidate degradation or evolution mechanisms should be studied. Novel sensing technologies also help toward the real-time monitoring degradation of energy materials. This Special Issue aims to collect original research and review articles that report results focused on the degradation and evolution of energy materials for green and sustainable energy systems.

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Message from the Editorial Board

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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