Special Issue

Innovative Materials for Energy and Recycling

Message from the Guest Editor

Current researches are focus on the development of efficient materials to optimize as much as possible the efficiency of the production energy with a particular focus on free or low carbon energy. For example, energy storage is one of the biggest challenges for the next number of decades is the management of renewable energy. Undoubtedly, because of the need of an efficient waste management, the recycling of goods and the industrial effluent treatment are also a major current problem. This Special Issue is devoted to the development of innovative materials in the fields of environment and energy. Contributions include, but are not limited to, a variety of topics such as materials (carbon, silica, hybrid materials ...) for the energy storage (Batteries, H2 production ...), photovoltaic cells, photocatalysis, gas storage or separation, effluent treatment, waste management and raw metal extraction. We would like to take this opportunity to invite contributions from experts in the field who are encouraged to submit both original research papers, as well as review/mini review articles, from basic aspects and future directions in the field.

Guest Editor

Dr. Michael Carboni

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Deadline for manuscript submissions

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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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