Special Issue

Recent Progress in Advanced Adsorption Materials

Message from the Guest Editor

Currently, tens of thousands of scientific papers published annually focus on the experimental or theoretical investigation of various adsorption systems for many different application fields, mostly (but not only) interconnected with environmental protection/depollution. Many of these contributions describe low-cost adsorbents based on cheap raw sources (e.g., biomass) or industrial wastes, which are economically very effective, but their adsorption efficiency is usually low (although it can be interesting for large-scale industrial application). On the contrary, the present Special Issue of *Materials* will comprise articles discussing the synthesis, characterization, and application testing of adsorbents with very special adsorption properties. In addition, manuscripts introducing new or significantly improved approaches for the characterization of adsorbents and their properties are also welcome.

Guest Editor

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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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