Special Issue

Flexible Supercapacitors: Status and Opportunities

Message from the Guest Editors

Dear colleagues, Interest in supercapacitors, more precisely electrochemical double-layer capacitors (EDLCs), has been growing due to their moving towards more environmentally friendly and safer materials, also when considering their disposal. Supercapacitors are interesting, for instance, with regards to solving the energy challenge with a future vision of a “trillion sensors”, which would be embedded, for example, in the built environment and clothing. If the energy required for the sensors’ function can be captured from the environment by energy harvesting without the need for an extra energy source, this could enable this vision in a sustainable fashion. Especially wearable energy harvesters require flexible energy storage components. The disposability of energy storage devices would ease the end of lifetime treatment of the components in general. The scope of this Special Issue is to gather together reports dealing with this important field of research, which could benefit all areas of our modern society.

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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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