Special Issue

Conductive Polymers: Materials and Applications

Message from the Guest Editor

This Special Issue is intended to cover the latest advances and developments in the synthesis, characterization, structure-properties relationship and applications of electrically conducting polymers, with particular attention to the role of nanosized shape and the properties of novel CP-inorganic hybrid composite nanostructures. Topics including, but not limiting to, synthesis, characterization and properties study of new conducting polymers from novel functionalized monomer derivatives, development of methods for controlled growth of nanostructures (interfacial, micellar, templated, molecularly imprinted or other structure-directing polymerization), novel hybrid CP composite nanoarchitectures with metal oxide nanoparticles, carbon materials or clays and applications of the above materials in the fields of optoelectronics, energy production and storage, environment, sensing, and so on, are all welcome. It is my pleasure to invite you to contribute to this Special Issue. Original, high-quality research articles and reviews are encouraged for submission.

Guest Editor

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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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