Special Issue

State-of-Art Soft Materials

Message from the Guest Editor

Soft materials represent many exciting research opportunities which are unprecedented in conventional hard materials. For example, soft materials can better match the properties of soft tissues, leading to new possibilities in biocompatible materials and biomimicry devices. Soft materials are also capable of reversible large deformation, which is rich in nonlinear behaviors that can be used in robotics and other functional devices. Moreover, soft materials can be responsive to environment stimuli, such as temperature and humidity, enabling smart active materials that adapt their performance according to the environment. This Special Issue focuses on recent progress in soft materials, including but not limited to the synthesis of novel material, the design of new devices, new development in the manufacturing and processing of soft materials, and characterization and modeling of the complex behavior of soft materials such as fracture, adhesion, and instabilities. It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

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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