Special Issue

Soft Actuators and Sensors: Design, Materials, Processes and Applications

Message from the Guest Editor

Unlike traditional rigid robots, soft robots can conduct tasks in unstructured environments. Soft robots have many advantages, such as improved flexibility, lower stiffness, compliance, strong adaptability and reconfigurability, and thus have great potential in applications such as fragile object grasping, medical invasive surgery and human–machine interaction.

Soft actuators and sensors are the key components of soft robots, which are made of soft materials arranged in a certain structure, and can be activated by fluids, heat, electricity, magnets, light, humidity, chemical reactions, etc. This Special Issue mainly focuses on the design, materials, processes and applications of soft actuators and sensors. The Special Issue invites researchers to publish their original research articles on the platform, to discuss and communicate continuing challenges, opportunities and future directions of next-generation soft actuators.

Guest Editor

Prof. Dr. Silvia Schintke

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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