Special Issue

Advances in Electrofunctional Nanomaterials for Actuation, Sensing, Smart Textiles and Energy Conversion

Message from the Guest Editor

The demands for new configurations of electrofunctional nanomaterials continue to grow, and novel approaches are being enabled by the advent of new electromaterials and novel fabrication strategies. New wearable technologies are expected to have a transformative impact on opportunities related to electronic textile, energy storage, energy generation, sensing, actuation, and health monitoring applications. The motivation behind this Special Issue is the observed growing interest in the design, fabrication, and application of electrofunctional nanomaterials for actuation, sensing, smart textiles and energy conversion in many fields. Energy harvesting/storage, actuators, force/pressure measurement, porosity or color variation, and sensors (movement, temperature, and chemicals) are some of these functionalities. See more information in https://www.mdpi.com/si/73608

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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