Special Issue

Electric Transport and Magnetic Properties in Nanomaterials and Thin Films

Message from the Guest Editors

This Special Issue of Nanomaterials will be devoted to collect articles (full papers, communications, and reviews) dealing with electric transport (DC, AC, and noise) and magnetic properties in nanomaterials and thin films. Accepted topics include, but are not limited, to: -) nanomaterials for magnetic applications; -) thin films for nanotechnology; -) nanomaterials for green electronics; -) nanomaterials and thin films for quantum technology; -) charge carrier fluctuations (electric noise spectroscopy) in nanomaterials and thin films.

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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