Special Issue

Functional Nanomagnetics and Magneto-Optical Nanomaterials

Message from the Guest Editor

Nanosized magnetic materials with a strong correlation between compositions, structure, and functional properties are attracting much attention due to the large number of fundamental phenomena they allow to study and their prospects for practical applications. The features of the chemical processes and physical interactions in low-dimensional nanomagnets are very important for interdisciplinary research development. Technical, scientific, industrial, and consumer demands lead to the emergence of new technologies that will make our world a better place. I kindly invite you to make a contribution to this Special Issue of *Nanomaterials* titled “Functional Nanomagnetics and Magneto-Optical Nanomaterials” Dr. Alex V. Trukhanov

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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