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State-of-the-Art Electromagnetic Wave Absorbing Nanocomposites in Asia

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Deadline for manuscript submissions:
closed (31 January 2022)

Message from the Guest Editors

Dear Colleagues,

Today, electromagnetic pollution triggered by the wide application of 5G technology poses a grave threat to people's health and the use of precision instruments. The most effective way to solve this issue is to design effective electromagnetic wave absorbing materials (EMWAMs). In order to achieve significant absorption of electromagnetic waves, the absorber should include exceptional impedance matching ability and excellent attenuation ability. Due to quantum size effect and small size effect, nanomaterials have been widely used in the field of microwave absorption. However, with single-phase nanomaterials, it is generally difficult to achieve plummy impedance matching or attenuation performance. Rational recombination of nanomaterials is an effective avenue by which to achieve dissipative electromagnetic waves... For further reading, please follow the link to the Special Issue website at: https://www.mdpi.com/si/63929.

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Editor-in-Chief

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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.

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