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Nanomaterials for Electromagnetic Wave Shielding and Microwave Absorption

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Message from the Guest Editors

The development of modern technology also caused serious electromagnetic pollution that has had an impact on human health and precision equipment. It is essential to develop high-performance electromagnetic protection materials. Electromagnetic interference (EMI) shielding and microwave-absorbing materials play significant roles in the fields of electromagnetic compatibility. Nanomaterials have been widely explored in the field of EMI shielding and microwave absorption due to their excellent electromagnetic properties and large specific surfaces. Researchers have mainly designed the electromagnetic function macro-structure from two perspectives, such as component composition and structural design. The preparation of integrated materials concerning structure and function is fascinating. In addition, electromagnetic simulation is increasingly applied to effectively guide material design and mechanism exploration. For this reason, in this Special Issue, we invite contributions from leading groups in the field that take a balanced look at current developments in this discipline.









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Message from the Editor-in-Chief

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