

Special Issue

Electromagnetic Shielding/Absorbing Materials: Preparation, Characterization and Applications

Message from the Guest Editors

With the rapid development of electronic information technology, excessive electromagnetic radiation is produced by increasing the number of electronic devices and information transmission. With the development of high technology, the task of electromagnetic radiation control has become more complicated. Therefore, it is particularly urgent to understand the mechanisms of interaction between electromagnetic waves and materials, take effective control measures, and complete systematic analysis to successfully shield or absorb incident electromagnetic waves through the control of the reflection and loss ability of the electromagnetic shield/absorbing materials. The material synthesis, component regulation, microstructure adjustment, and design of composite materials are the main measures through which to achieve the purpose of reflecting or absorbing an incident electromagnetic wave. This [Special Issue](#) will focus on the preparation, characterization, and application of electromagnetic interference-shielding materials and electromagnetic wave-absorbing materials from the theoretical to the practical level. We look forward to your submission.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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