Special Issue

Recent Advances in Electromagnetic Interference Shielding Materials

Message from the Guest Editor

The rapid development of electronics, including wireless communication systems, medical devices, and military equipment, has made the science of electromagnetic radiation and the pollution it creates, known as electromagnetic interference (EMI), of utmost consideration in modern technologies. These concerns have attracted extensive research on the fabrication of numerous shielding materials, utilizing various carbon allotropes, metal nanowires, polymers, and very recently MXene composites. Interestingly, while research on the new fabrication techniques of EMI shields with higher shielding effectiveness is still in progress, current studies have drifted toward the fabrication of lightweight and multilayer EMI shielding materials with improved mechanical characteristics for more unconventional flexible electronics. Please view more details, including submission entrance ("Submit to Special Issue" option on the left side of the website), via the Special Issue website at:
https://www.mdpi.com/journal/materials/special_issues/Electromagnetic_interference_shielding_materials

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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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