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Electromagnetic Shielding/Absorbing Materials: Preparation, Characterization and Applications

Guest Editors:

Dr. Liang Zhou
School of Materials Science and Engineering, Chang'an University, Xi'an, China

Dr. Yi Liu
School of Materials Science & Engineering, Xi'an Polytechnic University, Xi'an, China

Deadline for manuscript submissions:
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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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Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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𝕏@Materials_Mdpi