

Special Issue

Preparation and Application of Multifunctional Ceramic Materials

Message from the Guest Editor

We are pleased to invite you to submit your work to this Special Issue, "Preparation and Application of Multifunctional Ceramic Materials". Electroceramics are the functional class of ceramics, wherein ceramic materials are designed to exhibit various electrical properties. Technologically, these ceramics have been explored for their piezoelectric, ferroelectric, dielectric responses, etc. and have made way for use in high-frequency dielectric devices, nonvolatile memories (DRAMs), and materials for energy storage and conversion. The search for electroceramics with high performance has attracted an increasing amount of attention due to their potential applications in the microelectronic industry. This Special Issue aims to discuss and present original research articles and review papers related to dielectrics containing dielectric, ferroelectric, piezoelectric, and magnetic materials. Contributions will focus on the understanding and applications of dielectrics in modern electronic devices and systems, which fill gaps in international scientific literature. We look forward to receiving your contributions.

Guest Editor

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Deadline for manuscript submissions

closed (5 August 2024)



Coatings

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Impact Factor 2.8
CiteScore 5.4



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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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