Special Issue

High-Performance Dielectric Ceramic for Energy Storage Capacitors

Message from the Guest Editor

We are pleased to invite you to submit your work to this Special Issue “High-Performance Dielectric Ceramic for Energy Storage Capacitors”. Dielectric ceramics with high permittivity and high breakdown strength are required for applications, including high charge capacitors and energy storage devices, where dielectric composites could find their position as potential candidates. This Special Issue aims to discuss and present significant new findings related to synthesis, fabrication, structure, properties, performance, and technological application, in addition to the strategies and policies of dielectric ceramics for energy storage capacitors and their devices for sustainable energy and development. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not be limited to) the following:

- Composite ceramic materials
- Dielectric ceramic films
- Ceramic–polymer dielectric materials
- Characterization techniques for ceramics

We look forward to receiving your contributions.

Guest Editor

Prof. Dr. Jing Wang
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Deadline for manuscript submissions

closed (20 August 2024)

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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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