

## Special Issue

# Advances in Dielectric Ceramics and Their Applications (Second Edition)

### Message from the Guest Editors

As important foundations of the information age, information, energy, and materials have important applications in all aspects of life. Dielectric ceramics are a new type of electronic material and are used in numerous electronic components with their dielectric and mechanical properties. To improve their performance and extend their service lives, a lot of work has been carried out in several existing and emerging areas in recent years: 1) the exploration of novel ceramic systems for microwave/millimeter-wave electronic applications; 2) the low-temperature synthesis and preparation of ceramics; 3) the correlation between crystal chemical design and performance optimization of ceramics; 4) the high coefficient of thermal expansion in ceramic packaging, microwave ceramic capacitors, and microwave composite dielectric substrates; and 5) the tungsten bronze structure for energy storage in ceramics and the internal relationship between domain evolution and energy storage performance, from which many interesting and promising results have been obtained.

### Guest Editors

Dr. Hongyu Yang

Academy of Advanced Interdisciplinary Research, Xidian University,  
Xi'an 710071, China

Dr. Hao Li

School of Electrical and Information Engineering, Hunan University,  
Changsha 410082, China

### Deadline for manuscript submissions

closed (20 April 2024)



## Materials

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

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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

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