

Journal of the Ceramic Society of Japan

Call for papers

Special issue by Guest Editor: "Cutting edge research on electroceramics, 2025"

Much higher density, capacity, efficiency, and reliability are required in modern electroceramics, and only limited atomic species are usable as constitution of the materials because of environmental and energy problems. Under such situation, the electroceramics division in the Ceramics Society Japan has been playing an important role as a forum to discuss on the recent advances in electroceramics.

In this issue, we suggest the publication of a special issue entitled "Cutting edge researches on electroceramics 2025", which focuses on process, properties, structures, and simulations of dielectrics, ferroelectrics, piezoelectrics, conductors, magnetic materials, batteries, environmental energy materials, thin films, and nanomaterials.

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[Materials]

- Dielectric materials
- Ferroelectric materials
- Piezoelectric materials
- Conductive materials
- High temperature electroceramics
- Ionic conductors
- Secondary batteries
- Fuel cells
- Photovoltaic cells
- Thermoelectric materials
- Magnetic materials
- Superconductive materials
- Thin films
- Nanomaterials

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