Special Issue

Preparation, Properties and Manufacturing of Advanced Ceramics

Message from the Guest Editor

This Special Issue focuses on the physico-chemical properties, process of preparation, sintering or melting of advanced ceramics. The emphasis of the collection is on pioneering scientific studies that explore the relationships between processing wet chemistry methods, phase composition, microstructure, and the physico-chemical properties of advanced ceramics, especially those obtained after arc plasma melting processes.

Manuscripts submitted to this Special Issue must provide a comprehensive description of the experimental setup, along with a critical review of the current state of knowledge regarding measurement techniques, as well as the sensitivity and accuracy of the equipment used. This Special Issue includes standard sections, such as research papers, review articles, and perspectives, welcoming both experimental and theoretical contributions. Additionally, it features news, viewpoints, and research highlights that showcase the latest scientific advancements in crystal research. With a commitment to quality, this Special Issue aims to offer strong support for authors, readers, and reviewers.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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