Special Issue

New Studies in Ceramics: Synthesis, Sintering, Characterization and Potential Applications

Message from the Guest Editors

Advanced ceramics can withstand special and extreme service environments that other materials cannot resist due to their excellent physical and chemical properties, such as light weight, high strength, superhigh hardness, wear resistance, corrosion resistance, high temperature resistance, and oxidation resistance. Furthermore, they can also show amazing functional properties, including electric, magnetic, light, sound, superconductivity, chemical, and biological characteristics. The rapid development of modern industries drives the appearance of more special and extreme service environments and thereby brings increasing demands for advanced ceramics. Thus, this Special Issue, with the title of "New Studies in Ceramics: Synthesis, Sintering, Characterization, and Potential Applications", will focus on frontier research associated with materials covering oxide and non-oxide ceramics, functional glasses, glass ceramics, and their corresponding composites. It is my pleasure to invite you to submit a manuscript to this Special Issue. We appreciate your attention and look forward to your contribution.

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Message from the Editorial Board

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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