

Special Issue

High-Performance Ceramic Materials: Development and Applications

Message from the Guest Editor

The aim of the Special Issue is to highlight current trends in the development of high-performance functional ceramics, in order to identify bottlenecks and problems and outline ways to solve them. An important part is the consideration of modern methods for producing high-quality technical ceramics, including additive manufacturing and coating. The principal applications and advantages of sintering methods, as well as current research progress and future directions, will be presented here, providing readers with a comprehensive understanding of ceramic technology. In addition, this Special Issue will include in-depth discussions on the functional features of ceramics for a variety of purposes, together with the current and potential applications of high-performance ceramics.

Guest Editor

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Message from the Editor-in-Chief

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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