Special Issue

Synthesis, Processing and Applications of Advanced Ceramics

Message from the Guest Editor

Advanced ceramics have come of age in the 21st century. They offer unique optic, thermal, electrical and magnetic properties that have opened up a new world of development opportunities for manufacturers in a wide range of industries. Advanced ceramics provide a cost-effective, high-performance alternative to traditional materials such as metals, plastics and glass. Innovative synthesis and processing techniques of advanced ceramics have also seen extraordinary advances, with the development of new materials or composites with complex structures to create innovative products both for consumers and industry. Synthesis and processing methods have promoted a good wealth of fundamental and applied research into ceramics materials with the potential of meeting stringent requirements set by technological areas ranging from wireless communication to energy storage to sensors to actuators, just to mention a few. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications and reviews are all welcome.

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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