Special Issue

Advanced Ultra High Temperature Ceramic Composites

Message from the Guest Editor

Advanced ultra high temperature ceramic composites (e.g. oxide, carbide, nitride, boride and metal-matrix composites) possess excellent high-temperature mechanical and functional properties, which have been extensively used in many high-technical industrial fields such as aerospace, metallurgy, oil & gas, nuclear power, and energy. This Special Issue will focus on the recent research progess on advanced ultra high temperature ceramic composites, so as to provide a new insight into the current status and future prospects in this field. Topics of interest for publication include, but are not limited to, the following:

- Multi-scale composition design
- Novel synthesis methods and preparation techniques
- Sintering/densification/solidification mechanisms
- Microstructural characterizations
- Properties and applications

It is my great pleasure to invite every one to submit a manuscript for this Special Issue. Full papers, communications, and reviews on any aspect of ultra high temperature ceramic composite are all welcome.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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