



Development and Application of High-Temperature Ceramics

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Message from the Guest Editors

Due to the more severe service environment that high-temperature ceramics are subjected to, higher requirements are put forward for their performance. Thus, some new analytical models, as well as preparation, characterization and test methods for high-temperature ceramics have been proposed. We are delighted to invite contributions to this Special Issue on “Development and Application of High-Temperature Ceramics”. In the collection, we hope to underline recent advances related to processing, microstructures, property characterization and optimization, and damage failure mechanism analyses for high-temperature ceramics. Consequently, research topics of interest may include, but are not limited to: processing; strengthening and toughening; property characterization; theoretical modeling; and damage failure mechanism analysis. Manuscripts in the form of full research papers, communications and review articles are all encouraged.

- high-temperature ceramics
- strengthening and toughening
- mechanical properties
- high-temperature applications
- service performance
- damage failure mechanism analysis
- ceramic matrix composites





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Message from the Editor-in-Chief

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