



Advances in Thin-Film Ceramics: Fabrication, Properties, and Applications

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Message from the Guest Editor

This Special Issue on “Advances in Thin-film Ceramics: Fabrication, Properties, and Applications” aims to report recent progress and emerging applications of advanced ceramic materials in thin-film technologies, covering topics such as, but not limited to, optics, electronics, catalytic systems, energy, biomaterials, heat-resistant and wear-resistant coatings, etc. Papers involving novel fabrication and characterization methodologies, as well as the use of computer modeling and simulations to predict the mechanisms of formation and properties of ceramic thin films and composites, are very welcome.

Keywords

- functional ceramics
- thin-film technologies
- ceramic multilayers
- ceramic composites
- magnetic coatings
- ceramic sensors
- high temperature applications
- electrical insulation
- glass–ceramic
- solid ceramic electrolyte
- electronics
- catalytic systems
- biomaterials
- wear-resistant coatings
- energy
- optics





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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