Special Issue

Ceramic Composites and Films

Message from the Guest Editor

Ceramic composites are one of the most attractive materials that can be applied in a variety of fields. It has been shown that composites exhibit superior properties to monolithic ceramics. There are many ways to fabricate ceramic composites, from the preparation stage of the raw materials and powders to the sintering stage. The microstructure and properties of ceramic composites are strongly affected by the synthesis processes and conditions. Ceramic nanocomposites are receiving growing interest due to their high strength and properties characterized by nanograins. Ceramic coatings can improve the performance of coated materials such as wear resistance, reduction of friction, corrosion resistance, etc. The fabrication procedure also ranges widely, from dipping in sol–gel solutions and sintering, to chemical vapor deposition (CVD) of gaseous materials. In this Special Issue “Ceramic Composites and Films”, focus is put on fundamental and novel advancements relating to the fabrication, microstructure, properties and other issues concerning ceramic composites and films.

Guest Editor

Prof. Dr. Yuzo Nakamura

Department of Mechanical Engineering, Kagoshima University, 1-21-40, Kagoshima 890-0065, Japan

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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