

Special Issue

Ceramic Films and Coatings: Properties and Applications

Message from the Guest Editor

Various technologies have been developed for ceramic films and coatings since they play an important role in the area of materials science. Compared to bulk ceramics, the preparation of ceramics film is certainly not a tedious process as it includes ball milling, sieving, forming, pre-sintering, and high-temperature sintering. Additionally, it is possible to fabricate ceramic film with various shapes to meet industrial and civil demands. Recently, functional ceramic films and coatings for lighting, anti-counterfeiting, corrosion prevention, wear resistance, and so on, have become a hot research topic. However, films and coatings with high performance still remain a challenge because the preparation technique, composition, microstructure, and compactness significantly affect their properties and final applications. This Special Issue will cover recent advances in materials synthesis, properties, and applications. In particular, studies on ceramic film, inorganic coatings, and the development of characterization methods are welcome. For further reading, please click the following link:
https://www.mdpi.com/journal/coatings/special_issues/Ceram_film

Guest Editor

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About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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