Special Issue

Novel Inorganic Coatings and Thin Films

Message from the Guest Editors

Inorganic coatings and thin films continue to play a pivotal role in a wide range of technological applications, including optics, electronics, protective barriers, energy storage, and catalysis. Meanwhile, advances in deposition techniques and materials synthesis have enhanced the functionality and performance of these systems. The scope of this Special Issue includes, but is not limited to, the following topics: The physical and chemical vapor deposition of thin films;

- Sol–gel and other wet chemical approaches for coating synthesis;
- Functional oxide and nitride coatings;
- Thin film characterization techniques (AFM, SEM, XRD, etc.);
- Coatings for corrosion protection, thermal insulation, or catalysis;
- Nanostructured and hierarchical coatings;
- Innovative coatings with sensing or self-healing properties;
- Smart coatings with sensing or self-healing properties;
- Quantum and photonic applications of inorganic thin films;
- Biocompatible or antibacterial coatings;
- Interfacial phenomena and adhesion in multilayer coatings.

We look forward to receiving your contributions and to building a strong and impactful collection.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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