Special Issue

Advances in Multifunctional Nanomaterials for Coatings

Message from the Guest Editor

Over time, there has been a great interest in coatings with a variety of applications in electronics, electricity, magnetism, light, and heat. In recent years, the field of coatings has made theoretical and experimental developments. Nanostructured materials in the form of nanocoatings are of high scientific and industrial value. It is crucial to identify the key microstructural features and/or exotic configurations of these new nanomaterials and to understand how they relate to the final properties. In this Special Issue, we seek to engage with a wide range of contributions on the application of nanocoatings and nanocomposite coatings in various fields, sharing current knowledge and advances. We welcome both original and review articles. We look forward to your submissions.

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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