Special Issue

Recent Advances in Silicon-Based Amorphous and Nanostructured Coatings

Message from the Guest Editor

Moreover, various types of nanostructures can be obtained, including ultra-thin films and multi-layers, as well as nanodots embedded in amorphous matrices. This Special Issue will provide a forum in which to share new research in the field of amorphous and nanostructured materials based on silicon. Potential topics include (but are not limited to):

- Advances in the processes for the synthesis of silicon-based amorphous thin-film alloys and nanostructured silicon-based materials;
- Advances in the techniques for the characterization of silicon-based amorphous thin-film alloys and nanostructured silicon-based materials;
- New applications of silicon-based amorphous thin-film alloys and nanostructured silicon-based materials;
- New results in the fundamental knowledge of the physicochemical properties of amorphous thin-film alloys and nanostructured silicon-based materials;
- Simulation of the properties of silicon-based amorphous and nanostructured materials, as well as the processes used for their synthesis.

Guest Editor

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Deadline for manuscript submissions

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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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