

Special Issue

Surface Modification and Functionalization for Advanced Materials

Message from the Guest Editor

Through the surface modification and functional modification of engineering materials, it is possible not only to maximize functionality on the material surface but also to reduce the processing cost of the material. Especially with the continuous progress and development of nanomaterials and nanotechnology, the functionalities of materials can be substantially improved via modifications on the surfaces of their microstructures. This Special Issue will collect academic papers on the latest trends in surface nanostructuring, surface modification, and functionalization of solid materials to present the latest advances in surface science and surface engineering. I am pleased to invite research scholars in these fields to contribute to this Special Issue. Papers on hot topics such as novel battery materials, hydrogen-fuel cells, and functional materials for power storage systems related to the environmental and new energy fields are particularly welcome.

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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