Special Issue

Multifunctional Antireflective Coatings and Nanocomposites

Message from the Guest Editor

This Special Issue aims to present a collection of studies describing recent advances and the state of the art in the field of "Multifunctional Antireflective Coatings and Nanocomposites". Regardless of the application domain, in addition to the main functionality of the antireflection effect and a high degree of transparency with omnidirectional efficiency over a broad range of the spectrum, other characteristics of film-forming materials have been developed at the same time, including surface wetting, a self-cleaning ability, mechanical or thermal resistance, adhesivity or scratch resistance, UV protection, and antiglare or anti-fogging properties.

Topics of interest for this Special Issue include, but are not limited to:

mono-, bi-, or multiayer nanostructured designs;
hybrid coatings and composites;
fabrication methods (bottom-up and top-down approaches);
structure and morphology;
customized omnidirectional efficiency over a small or broad range of the spectrum; and
tailoring of other properties for special applications.

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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