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High Performance Nanocomposite Films

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Deadline for manuscript submissions:
closed (1 November 2022)

Message from the Guest Editor

Graphene, boron nitride and other two-dimensional materials show excellent thermal, electrical and mechanical properties, which have become an important part of advanced functional nanocomposites. High-performance nanocomposite films are widely used in aerospace, national defense, transportation and other fields, and have become a hot research field. This Special Issue of *Coatings* on "High-performance nanocomposite films" covers all aspects of manufacturing, characterization, properties and applications. The purpose of this Special Issue is to introduce the latest experimental and theoretical developments for various high-performance nanocomposite films by combining original research papers and review articles.

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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.

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