Special Issue

The Advanced Synthesis of New High-Performance Coatings

Message from the Guest Editors

High-performance coatings have attracted attention from both academia and industry. It has wide applications in the fields such as energy, biomedical, environment, and electronics. The synthesis of highperformance coating is one of the important topics in coating research. As conventional coating techniques suffer from high-cost and complex system setups, long processing times, and scale-up difficulties, advanced synthesis techniques which can produce a uniform coating with low cost, simple system, and short time are desired. This Special Issue aims to cover the recent progress of coating synthesis technology and newly synthesized high-performance coatings. We would like to discuss topics, including the improvement of conventional coating techniques, the fabrication of new high-performance coating, the preparation and characterization of multifunctional coating. As the high-performance coating and its preparation technique are applied in various areas, this Special Issue will have a large potential readership. We sincerely invite all researchers interested in coating technology to submit their manuscripts for this Special Issue.

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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