Special Issue

Superhydrophobic Interfaces and Surfaces: Preparation, Characterization, and Applications

Message from the Guest Editor

This Special Issue of "Superhydrophobic Interfaces and Surfaces and : Preparation, Characterization and Application" aims to collect high-quality original research articles or comprehensive reviews in this field. Through the intersection or integration of disciplines such as materials science, bionics, physical chemistry, and engineering interfaces, superhydrophobic materials that influence modern engineering applications are designed and manufactured to promote the cutting-edge development in this field. Potential topics include but are not limited to the following:

- Superhydrophobic or superoleophobic surface functional coatings, such as anti-frost, anti-ice, anti-fouling, anti-corrosion, etc.
- New methods for the design and preparation of superhydrophobic biomimetic or micro-nano structural materials, such as photolithography, chemical etching, template replication, 3D/4D printing, etc.
- New theories, phenomena, mechanisms, and applications of superhydrophobic solid-liquid interface materials, etc.

Guest Editor

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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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