Special Issue

New Frontiers of Nanoscale Friction

Message from the Guest Editor

Dear Colleague, Nanomaterials and novel engineered nanotechnology has great potential to improve users' quality of life when used in applications across a variety of industries and consumer products. This Special Issue, "New Frontiers of Nanoscale Friction", focuses on publishing research works related to nanotribology, including all friction, lubrication, and wear phenomena and mechanisms. Nanotribology is defined as a fundamental research field of tribology viewed from the perspective of atoms and molecules. Original, high-quality research papers and review articles on all aspects of nanotribology are welcome, including, but not limited to, a variety of topics, such as the origin of friction theories, new phenomena of friction, friction at the nanoscale, ultra-low friction, and superlubricity, wear materials and mechanism, surface coatings and modification, etc.

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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