Special Issue

Research on Tribology and Anti-wear Behavior of Metals and Alloys

Message from the Guest Editors

Wear is a complex dynamic process in various production processes, where 30–50% of energy is consumed through friction and wear. Wear-resistant materials are a large class of novel materials with special electrical, magnetic, optical, acoustic, thermal, mechanical, chemical, and biological functions. They are important basic materials in high-tech fields, such as information technology, biotechnology, energy technology, and national defence construction. They also play a very important role in transforming some traditional industries. Wear is one of the main forms of workpiece failure, resulting in a large amount of energy and raw material consumption. We invite you contribute to this Special Issue by submitting manuscripts relevant to the above topics. Original articles, communications, and reviews are all welcome.

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Deadline for manuscript submissions

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Message from the Editorial Board

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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