Special Issue

Surface Engineering Technology and Tribological/Fatigue Behaviors for Advanced Materials

Message from the Guest Editors

Surface engineering is a multidisciplinary and interdisciplinary science that studies the surface treatment of materials and components. It involves fields such as materials, mechanics, and chemistry. Surface engineering technology plays a crucial role in enhancing the service life of materials and equipment components. Tribology and fatigue are closely related to numerous specific fields such as reliability, materials science, diagnostics, and testing techniques. The research contents of tribology and fatigue would be of great significance to engineers and researchers. Reducing friction losses, improving anti-fatigue resistance, and expanding service life will significantly improve economic benefits. The purpose of this Special Issue is to collect high-quality research papers, brief communications, and review articles. These contents all focus on the surface engineering technology of advanced engineering materials, tribology, and fatigue reliability, covering areas such as interface surface engineering, structural integrity, and contact mechanics. We look forward to receiving your submissions.

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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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