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.

Guest Editors

Dr. Fuqiang Lai

School of Mechanical Engineering and Automation, Fuzhou University, Fuzhou, China

Dr. Xin Zhang

School of Materials Science and Engineering, Xinjiang University, Urumqi, China

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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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.

Editors-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Prof. Dr. Yuguang Ma
State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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