Special Issue

Friction and Wear of Alloys

Message from the Guest Editors

The friction and wear of alloys often manifests in gears, bearings, guide rails, pistons, cutting tools, etc. Improving the friction and wear behavior of alloys is essential to improving the reliability of mechanical components, reducing energy consumption, and promoting sustainable development. Currently, the friction and wear behaviors of alloys in engineering applications are receiving more and more attention. Some advanced surface treatment technologies, such as surface modification technology, surface alloying technology, surface coating technology, and surface texture technology, are being used to improve the friction and wear properties of alloys. Moreover, changes in lubrication conditions, such as nanoparticle lubrication, magnetic fluid lubrication, etc., are also being used to improve the tribological properties of alloys. The aim of this Special Issue is to present the latest research on the friction and wear properties of alloys. Possible topics of interest for this Special Issue may include, but are not limited to, advanced testing and characterization methods for

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About the Journal

Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants.*

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