Special Issue

Wear Resistance of Alloys

Message from the Guest Editors

Laser manufacturing has many advantages, such as high processing freedom, wide material applicability, and flexible operation. The special macroscopic texture characteristics and unique material microstructure formed by laser manufacturing bring more degrees of freedom to the design of friction materials and devices. MDPI's *Lubricants* will publish a Special Issue with a focus on laser manufacturing. This Special Issue focuses on the composition design of wear-resistant materials for laser manufacturing, the laser preparation process of wear-resistant coatings, the structure–performance relationship of laser-manufactured wear-resistant coatings, and the friction and wear mechanism. This journal focuses on the research and application of friction, lubrication, and wear principles. We sincerely invite you to publish your research results in this Special Issue and exchange with peers on the latest research progress in this field.

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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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