Special Issue

Lubricant Additives

Message from the Guest Editor

Lubricants play significant roles in machine elements through reducing friction and wear, in order that they function efficiently. The phenomenon of improved lubricity using additives was first reported mid-20th Century. Since then, R&D activities for lubricant additives have been performed on a trial and error basis. Today, various additives are applied in lubricants to improve the total performances of lubrication systems. Different types of additives are well-combined in an empirical way, to achieve the multi-functionalities in practical applications. This Special Issue focuses on recent challenges in additive technologies of lubricants using specific scientific approaches toward advanced lubricant chemistry. Mechanistic investigations on optimal molecular designs of additives are also within the scope of the issue. We look forward to receiving your original work having clear strategies with scientific tools and/or theorem for additive technologies.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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