



# *lubricants*



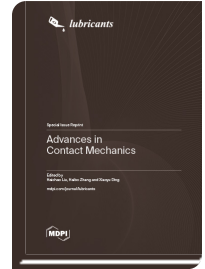
*Special Issue Reprint*

## **Advances in Contact Mechanics**

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Advancements in contact mechanics play an important role in the design of modern mechanical and bio-medical systems, enhancing their efficiency, power density, and reliability. They lay the foundation to research on the adhesion, friction, lubrication, fatigue, and wear of contacting interfaces and materials. There are numerous contact problems at different working conditions in applications such as machine elements, mechanical systems, and manufacturing processes. Each of these contact problems has specific challenges. To meet the demands, advanced analytical, numerical, and experimental methodologies have been developed. This Reprint aims to expand our understanding of the normal contact problems of layered structures and/or rough surfaces, the tribological and dynamic behavior of interacting surfaces, and the design and optimization of mechanical systems based on contact mechanics.



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