



Hydration Lubrication in Biomedical Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The lubrication efficiency of articular cartilage is exceptionally high. Currently, no artificial lubrication system can surpass the efficiency of articular cartilage. In recent years, hydration lubrication has been considered the core mechanism of articular cartilage lubrication. However, all conclusions are based on indirect inferences from experiments. More studies using molecular dynamic simulations and experiments are needed to obtain insights into the lubrication process and mechanisms of articular lubrication at the atomic scale. This Special Issue is dedicated to advancing innovative research in molecular dynamics simulations, experiments and multiscale simulation methods in articular cartilage lubrication.

Dr. Luyao Bao
Guest Editor

