

Special Issue

Electrochemistry Modulated Interfacial Processes: Fundamental and Application

Message from the Guest Editor

Interfacial processes have governed device performance from various perspectives—in mechanics, it is critical in friction and lubrication for machine efficiency; in chemistry, interfacial chemical properties have great influence on surface activity, which directly determines the catalytical performance, corrosion resistivity, and charge transfer characteristics of functional materials; and in biology, by understanding the essential biochemical reactions/processes of life that take place at the interface of cell membranes, Golgi apparatus and endoplasmic reticulum are crucial for medicine development as well as artificial implants design.

Through the increasing study of the macroscopy features of aforementioned interfaces, a more fundamental, molecular-scope understanding becomes significantly necessary. The proposed Special Issue is dedicated to collecting cutting-edge researches from various fields to provide a platform that can encourage multidisciplinary dialogue. There is specific focus on electrochemically modulated interfacial kinetic studies.

Guest Editor

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