



Electrochemical Surface Science: Basics and Applications

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Message from the Guest Editors

Dear Colleagues,

Electrochemical surface science (EC-SS) is the natural advancement of traditional surface science (where gas-vacuum/solid interfaces are studied) to liquid(solution)/electrified solid interfaces. Such a merging between two different disciplines, i.e., surface science (SS) and electrochemistry, has been officially advanced ca. three decades ago. The main peculiarity of EC-SS versus electrochemistry is the reductionist approach, inherited from SS, aiming at understanding at atomic level the microscopic processes occurring at electrodes. Few exemplar keystone tools of EC-SS are EC-scanning probe microscopies, operando and in-situ spectroscopies and electron microscopies, differential EC mass spectrometry (DEMS), etc.

In this Special Issue, papers addressing both basic science and more applied issues in the field EC-SS and energy conversion and storage materials are very welcome.

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