Special Issue

Surface Modification by Conductive Materials

Message from the Guest Editor

Nowadays, conducting materials play an important role in our lives. They are a powerful tool for the design of necessary miniaturized technologies.
Surface modification using conducing materials presents several advantages such as easy derivatization, regeneration of the conducting surfaces, and ability to amplify electrochemical signals. Their high intrinsic conductivity and unique stability at both states resulting from the delocalization of the π-system lead to several applications in different research areas. The ability to control functionalities on conducting surfaces can also help in i) tuning the chemical and electrochemical properties of the modified surfaces and, thereby, ii) controlling the phenomena occurring at the interface of conducting materials.
This Special Issue is geared toward the description of surface modifications using conducting materials and discussions of the optical and electrochemical properties of the modified conducting surfaces.

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Deadline for manuscript submissions
closed (28 May 2022)

Electrochem

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CiteScore 7.4

mdpi.com/si/89060

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