



Advances in Metal Materials: Electrochemical Characterization and Applications

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Message from the Guest Editor

Applied electrochemistry uses numerous methods to progressively improve the quality of life via the study of charge transfer phenomena. Electroanalytical techniques provide unique information about mechanisms and systems that are currently involved in the necessary development of a broad range of technologies, including energy conversion, conservation and storage, new battery systems, supercapacitors, solar cells, industrial synthesis, corrosion, electroplating, electrodeposition, medical application, and sensors. Thus, this Special Issue aims to compile original and innovative studies on electrochemical characterization techniques that are frequently applied to perform electrochemical studies of metallic materials. All these techniques provide clear insight into the interfacial electrochemical behavior between electrode and electrolyte. Energy saving, corrosion prevention and health pose challenges to which electrochemistry can contribute. Additionally, corrosion and protection are among the subjects that requires attention since their mitigation can preserve resources in several industries.





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Message from the Editor-in-Chief

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