Special Issue

Recent Advances in Energy-Related Materials in Catalysts

Message from the Guest Editors

This Special Issue is devoted to all aspects of recent research progress in the design and development of high-efficiency materials for applications in renewable and sustainable energy production, e.g., next-generation fuel cells, batteries, electrolyzers, and solar cells. We are pleased to invite submissions in the form of original research articles, short communications, and reviews that involve the synthesis of novel materials; the investigation of the mechanisms and kinetics of the electrooxidation of fuels, such as methanol, ethanol, formic acid, sodium borohydride, and hydrazine; and the conversion of carbon monoxide (CO), oxygen reduction (ORR), oxygen evolution (OER), hydrogen evolution (HER), and carbon dioxide (CO2), among others. This Special Issue is not limited to the abovementioned topics, but also welcomes manuscripts on the latest achievements, challenges, and future opportunities for the integration of novel materials in efficient energy conversion and storage systems. Dr. Loreta Tamašauskaitė-Tamašiunaite

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