



In Situ/Operando Characterization of Complex Materials Employing Advanced Synchrotron-Based Techniques

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The interest in the development of bimetallic catalysts is growing fast due to the important role played by these catalysts in the field of energy, environment, and industry. Bimetallic nanoparticle catalysts are promising because the synergy between two metals can lead to enhanced activity in catalysis or allow for bifunctional properties such as magnetic and plasmonic properties. Assessing the structure–activity relationship of these complex catalyst systems is a major challenge as there are several parameters affecting the measurements.

Submissions to this Special Issue are welcome in the form of original research papers which will cover in situ/operando characterization of bimetallic catalysts by employing advanced synchrotron-based techniques and rigorous data analysis methods to unravel the minute structural/phase changes occurring during catalytic reactions.

