Special Issue

Metal Supported Catalysts for Preferential Carbon Monoxide Oxidation (CO-PROX)

Message from the Guest Editors

A primary challenge facing society is the reduction of atmospheric CO2. Decarbonization of the energy sector is urgent. To this end, the deployment of hydrogen (H2) is promising, especially as inlet feeding for proton exchange membrane (PEM) fuel cells. The preferential CO oxidation (CO-PROX) reaction is widely claimed to be the most promising approach to tackle H2 purification for fuel cell uses. This Special Issue, “Metal Supported Catalysts for the Preferential Carbon Monoxide Oxidation (CO-PROX)”, aims to cover outstanding recent research and novel trends in the design of efficient heterogeneous catalysis in the CO-PROX reaction. Contributions with relevant insights on the underlying fundamental principles based on original experimental and/or theoretical findings are welcome.

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