

Special Issue

Non-Precious Metal Electrocatalysts: Synthesis, Characterization, and Application

Message from the Guest Editor

Electrocatalysis plays an important role in many chemical processes and is concentrated on improving their efficiency. However, in many cases, in order to accelerate the electrochemical process, it is necessary to use catalysts containing noble metals such as platinum, etc., which results in rising the system's capital cost and the price of its products. Thus, many works are dedicated on the development of less expensive and more available catalysts by means of metallic and nonmetallic materials with high electrocatalytic activity. This Special Issue collects original research papers, reviews, and commentaries focused on the challenges for the development of sufficient and cheap electrocatalysts. Submissions are welcome especially (but not exclusively) in the following areas: 1) The mechanisms and kinetics of electrochemical reactions; 2) Electrochemical degradation of pollutants; 3) Electrochemical reactions; 4) Electrosynthesis; 5) Electrode reactions.

Guest Editor

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