

Special Issue

Metal Nanomaterials as Efficient Electrocatalysts

Message from the Guest Editor

With the development of controllable synthesis and advanced materials characterization technology, the past decade has witnessed great progress in the synthesis and electrocatalytic applications of metal nanomaterials. The electrocatalytic reactions, such as CO₂ reduction reaction, CO reduction reaction, oxygen reduction/evolution reaction, hydrogen evolution/oxidation reaction, nitrogen reduction reaction, are surface sensitive. Various well-defined metal nanomaterials with tailored shape, structure and composition at the atomic scale have been approached and thus provide a desirable platform to establish clear relationships between structure/composition characteristics on the surface/interface and electrocatalytic performance. This Special Issue aims to track the most recent advances of metal nanomaterials in electrocatalytic applications by hosting a mix of original research articles and short critical reviews.

Guest Editor

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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