Special Issue

Metal Nanomaterials for Electrocatalysis

Message from the Guest Editor

Synthesis of novel metal nanomaterials has emerged as one of the leading topics of electrocatalysis in recent years. This great interest in nanomaterial arises not only from the enlargement of the catalytic surface area but also from the controllable composition, size, and morphology, possibly substantially improving the reaction efficiency and reducing the material cost. Accordingly, catalytic applications of the advanced metal nanomaterials are extensively explored in various electrochemical redox reactions, such as oxygen reduction, liquid fuel oxidation, hydrogen evolution, and oxygen evolution. This special issue aims to explore the most recent advances of metal nanomaterials in the field of electrocatalysis. Such metal nanomaterials include, but are not limited to, metal oxides, metal chalcogenides, and perovskites.

Guest Editor

Prof. Dr. Sang-Il Choi

Department of Chemistry and Green-Nano Materials Research Center, Kyungpook National University 80 Daehak-ro, Buk-gu, Daegu 41566, Republic of Korea

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
catalysts@mdpi.com

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