Special Issue

Fabrication of Graphene and Other 2D-Materials-Based Nanocomposites for Hydrogen Production

Message from the Guest Editor

Hydrogen (H2) has been deemed as the most promising and valuable alternative to nonrenewable fossil fuels. In recent decades, two-dimensional (2D) materials including graphene, MXene, and transition metal sulfides, as well as their nanocomposite materials, have attracted extensive research interest in the field of H2 production due to their merits of a large specific surface area, high electrical conductivity, abundant reactive sites, and so on. This Special Issue aims to collect advanced research achievements on the fabrication of 2D-materials-based nanocomposites and their applications for electrocatalytic and photocatalytic H2 evolution.

Guest Editor

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As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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