

Special Issue

Electrocatalytic Water Splitting

Message from the Guest Editor

As our reliance on renewable energy sources grows, so too does our need to store this energy in order to mitigate against peaks and troughs in supply. Amongst the numerous solutions that have been proposed for this challenge, the electrolysis of water using renewables stands out due to its scalability and the potential for hydrogen to underwrite a global sustainable energy cycle. This Special Issue of *Molecules* is devoted to electrocatalysis and photo-electrocatalysis of water splitting reactions, including studies on the oxygen evolution reaction, the hydrogen evolution reaction and complete water-splitting systems. Manuscripts examining theoretical and computational aspects of water-splitting electrocatalysis and photo-electrocatalysis are also welcome, as are concept articles that wish to expound new directions in electrocatalysis relating to water splitting. All scientists working in these emerging and promising fields of research are strongly encouraged to submit their original works for publication in this Special Issue.

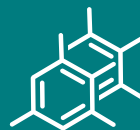
Guest Editor

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Deadline for manuscript submissions

closed (30 June 2021)



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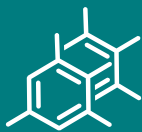


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Message from the Editor-in-Chief

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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