Special Issue

Recent Chemistry Research on Electrochemiluminescence

Message from the Guest Editors

Electrochemiluminescence (ECL) is persistently considered as a hot research topic and has a wide application scope, e.g., nucleic acid detection, immunoassay and the determination of electrocatalytic activity. Meanwhile, the basic theoretical research related to ECL has been developing in recent years, such as i) how to more accurately evaluate the light-emitting efficiencies of ECL luminescent probes; ii) the design and application of new ECL luminophores with special photophysical properties, and iii) the latest ECL signal acquisition strategy, low overpotential ECL method, signal amplification strategy, high-resolution spatial imaging analysis method, etc. In order to further showcase the latest advances in ECL, we have organized this Special Issue, with the purpose to highlight the latest advances from all those topics.
https://www.mdpi.com/journal/molecules/special_issues/ electrochemiluminescence_2022

Guest Editors

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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