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Machine Learning in Chemistry

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Message from the Guest Editors

Dear Colleagues,

In recent years, machine learning has started to revolutionize how chemistry is done, including accelerating the exploration of the chemical compound space, proposing new reaction mechanisms or synthetic pathways, exploring the potential-energy surfaces, and understanding the fundamental quantum mechanical principles of theoretically challenging systems. An enormous amount of machine learning techniques have been developed by computer scientists, data scientists, physicists, and chemists, and they have been widely applied in physical sciences. This dynamic research field has attracted researchers from different disciplines to work together to propose new methods, design architectures, and unlock creative ways for applications. This Special Issue is devoted to "Machine Learning in Chemistry". It will cover all aspects of using machine learning to investigate reaction mechanisms, molecular structures, catalysts design, material properties, organic synthesis, molecular generation and optimizations, and fundamental electronic-structure calculations

Prof. Dr. Junwei Lucas Bao Prof. Dr. Jean-Baptiste Tristan *Guest Editors*













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Message from the Editor-in-Chief

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