Special Issue

Single Atom Catalysts

Message from the Guest Editor

Single-atom catalysts (SACs) have become popular in catalysis research. The remarkable advantages, such as maximized efficiency of supported metal atoms, approximated coordination as a homogeneous catalyst, distinct energy level distributions of electron orbits, and abundant interfacial sites for the synergistic effect of metal and supports, cause various changes in performance compared with traditional supported nanoparticles/clusters catalysts. However, these advantages are probably accompanied by stability, working life, or selectivity at a price. These fascinating areas attract researchers to work on: using SACs to improve and analyze catalysis mechanisms, attempting new synthetic methods for SACs, and developing characterization techniques for SACs and catalysis processes. This Special Issue aims to collect full papers and critical reviews on the topic, possibly covering all the aforementioned applicative contexts. Scientific productions of both experimental and computational nature are welcome.

Guest Editor

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

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