Special Issue

Vanadium in the Center: Current Chemistry and Utilization of the Versatile Metal

Message from the Guest Editor

Since the discovery of vanadium nearly 200 hundred years ago, the metal has found many applications, mostly in alloys, resulting in the utilization of about 85% of the produced vanadium as ferrovanadium or as a steel additive. On the other hand, vanadium forms a vast number of coordination compounds in various oxidation states, and together with polyvanadates and mixed vanadium-containing polyoxometalates they offer applications in distinct areas of chemistry, biology, and materials science. Vanadium is the second most abundant transition metal in seawater, and it has been found in several sea species. Vanadium is also found in terrestrial species. These and many other examples have stimulated the utilization of vanadium complexes, polyvanadates, and vanadium-based materials, not only in biological applications but also in materials science and electrochemistry. In this Special Issue, we wish to cover the most recent advances in all these aspects of vanadium chemistry, chemical biology, and materials science, by hosting a mix of original research articles and critical reviews.

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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