Special Issue

Experimental and Theoretical Studies of Main and Transition Group Elements Cluster Compounds

Message from the Guest Editors

Modern cluster chemistry is the wide and diverse science field. Cluster compounds are known for practically all transition and non-transition metals and metalloids. The structure and reactivity variety provides opportunity to obtain compounds with plenty of useful properties. Cluster systems find application in various field: medicine, material science, catalysis etc. Present Special Issue is devoted to all edges of modern cluster chemistry. Theoretical insight gives opportunity to understand main peculiarities of structure and chemical bonding in such system. Experimental investigations allow to find the best route for preparing molecular systems and elaborate their properties. The main aim of present Special Issue is to show interconnection between different fields of modern cluster chemistry and reveal the main trends. We welcome researchers to contribute their research work to our Special Issue. Investigations devoted to preparation of novel cluster compounds, their property, structure, reactivity and applications as well as other important topics are highly appreciated.

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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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