Special Issue

Polyoxometalate Chemistry

Message from the Guest Editor

Polyoxometalates (POMs) are molecular metal oxides with both structural and compositional versatility that can be directed by a synthetic chemist to generate an astounding library of molecules. The properties of these molecules are equally diverse, with changes to the electronic structure, basicity, cations, and stability impacting their potential utility in a growing list of applied research directions. An important consideration regarding the translation of fundamental polyoxometalate chemistry to that of applied research is the identity of molecules at various stages of the process being studied. Therefore, a depth of understanding regarding the translation and perturbation of molecular properties between crystalline and solvated forms, and as dispersants in amorphous solids, is critical. This Special Issue aims to showcase the latest synthetic methods, molecular structures, and fabrication of materials that incorporate POMs, of any size, shape, or composition, and that display any form of functionality.

Guest Editor

Dr. Chris Ritchie

School of Chemistry, Clayton Campus, Monash University, Clayton, VIC 3800, Australia

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Inorganics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

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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

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

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