

Special Issue

New Advances into Nanostructured Oxides

Message from the Guest Editor

This Special Issue aims to extend the comprehension of the mechanisms involved in the synthesis and templating of inorganic oxidic nanomaterials, as well as in their surface functionalization and reactivity.

Additionally, this Special Issue aims to increase the knowledge on the latest advances of these systems in (photo)catalysis; environmental clean-up processes; energy storage; controlled transport and/or release; biomedicine; sensing; and the development of smart-materials, stimuli-responsive materials, and nanocomposites. Nanomaterials of interest include (but are not limited to): silica, alumina, titania, zirconia, zinc oxide, aluminosilicates (e.g., clays, zeolites), iron oxides, perovskites and titanates, rare earth oxides, and composites. Furthermore, particular attention will be dedicated toward studies describing alternative ecofriendly preparation methods. Therefore, I invite you to contribute original, high-quality papers and review articles discussing significant achievements in the synthesis, characterization, structure-property relationship comprehension, and (recent) advanced applications involving inorganic oxidic nanomaterials.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

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

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