



Earth Abundant Transition Metals in Chemical Sensors and Actuators

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Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to showcase the recent developments in the field of photo-, thermo-, and electrochemical sensors and actuators with earth-abundant metal complexes and materials. Original research articles, short communications, and reviews covering all different aspects of synthesis of complexes and materials with first-row transition metals, photocatalysis, electrocatalysis, photo- and electroactivated chemical processes, mechanistic studies, photoactivated magnetic molecules, and thermoresponsive magnetic molecules are invited. Manuscripts submitted for this Special Issue are subject to a peer review procedure, with the aim of fast and widespread dissemination.

The topics covered in the Special Issue include but are not limited to:

- Synthesis (e.g., organic, inorganic)
- Materials (e.g., nanoparticles, carbon-based, thin films)
- Catalysis (homogeneous and heterogeneous)
- Sensors (magnetic, thermal, and electrochemical)
- Applications (e.g., small molecule conversion, coupling reactions, oxidation, and reduction reactions, displays, memories, artificial muscles).





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