Special Issue

Spin-Crossover Complexes

Message from the Guest Editor

Spin-crossover (SCO) phenomenon is originated from the intrinsic bistability of the d-electron configuration, created by the competition between ligand-field splitting and spin-pairing energies in a first coordination sphere of transition metal ions. Since Cambi's visionary finding of SCO in 1931, considerable knowledge concerning syntheses, crystal structures, magnetic and thermodynamic properties, molecular orbital calculations, and theories of SCO complexes has been accumulated. Furthermore, the possibility toward future applications of SCO complexes has been actively studied. This Special Issue aims at collecting research and review of recent advances in all aspects of SCO by means of an open access way. I invite you to contribute papers and allow your research to impact the next generation trend in this promising field. Kazuyuki Takahashi

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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