Special Issue

Transition Metal Complexes and Their Applications

Message from the Guest Editor

Since the Nobel Prize in Chemistry for Swiss scientist Alfred Werner in 1913, coordination compounds have developed to an important class of new materials which are engaged in biomedical and catalytic applications and in many other areas. For this Special Issue, we are interested in original research papers covering the novel synthetic methods of coordination compounds and coordination polymers, including frequently used strategies for the molecular design, the important conditions of syntheses that have influences on the self-assembly and crystallization, as well as solvothermal reactions for coordination compounds, especially coordination polymers (CPs) and metal–organic frameworks (MOFs). An important advantage of this type of compounds is their rich applications. Therefore, for this Special Issue, we welcome contributions related to the potential applications of the transition–metal complexes in catalysis, molecular recognition and sensing, host–guest chemistry, electrical, biomedical applications, and as luminescent and magnetic materials.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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