

## Special Issue

# New Electro- and Photo-Functional Materials Based on Transition Metals

### Message from the Guest Editors

Recently, evolutionary systems of the transition metal complexes have been developed. One such development is that transition metals are not the only protagonists and ligands also play the leading role. It is a new functional molecular system in which synergistic physical and chemical properties of metals and ligands appear by introducing redox activity, photo-responsivity, and magnetism into ligands. The other is a system in which transition metal complex units are connected to form one-dimensional, two-dimensional, and three-dimensional polymeric structures. New properties can emerge from the physicochemical interaction between the units. When the inner space of the molecular frameworks can contain guest molecules, the host-guest interaction is expected to originate novel functionality. This Special Issue invites papers on new electro-, photo-, and magneto-functional materials based on transition metal complexes.

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### Guest Editors

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### Deadline for manuscript submissions

closed (28 February 2022)



## Molecules

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As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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