magnetochemistry

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Applications of Magnetization and Polarization for Molecules and Materials

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Deadline for manuscript submissions:
closed (28 February 2021)

Message from the Guest Editors

Magneto-related effects in chemistry is a field in rapid growth and expansion, involving both fundamental and applicative aspects. This Special Issue focuses in particular, but not exclusively, on magnetic field effects combined with electric field effects, with particular emphasis on electrochemical-based systems. The effect of magnetic fields on the potential and current quantities characteristic of an electrochemical cell are typical observables worth measuring, as are the entangled effects of chiral systems (chiral surfaces) and the observation of spin-related effects. The relationship, also based on purely theoretical considerations, between spin and magnetic effects and a material's electronic structure at the molecular level is also of great interest. Original papers as well as reviews on these subjects are welcome.

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