Special Issue

Role of Magnetochemistry in Applied Physics

Message from the Guest Editors

Research on plasma and its applied physics has become more active in recent years. Plasma is referred to as the fourth state of matter, and can generate chemically reactive species in situ by colliding electrons in a high-energy state with molecules or inorganic/organic materials. Taking advantage of this feature, some technologies are already being developed, and there is a wide range of applied research fields such as process, medicine, and agriculture. On the other hand, it is important to control the plasma, which generates electric field, magnetic field, and UV light as well as reactive species, which requires plasma diagnosis such as flow control and electromagnetic mechanics and chemistry. This Special Issue aims to collect the latest original research papers that show the scope/role of magnetochemistry in plasma applied physics and plasma diagnostic technology and to comprehensively understand plasma application. Potential topics include, but are not limited to: —Plasma diagnostic technology; —Action on inorganic and organic materials (solid and/or liquid phase); —Biomedical/agricultural applications.

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Deadline for manuscript submissions

closed (25 September 2022)

Magnetochemistry

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/93493

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About the Journal

Message from the Editor-in-Chief

Magnetochemistry constitutes a multidisciplinary field where chemists and physicists not only study magnetic properties but also design and synthesize chemical compounds with desired magnetic properties. *Magnetochemistry* is inviting contributions in any field related with this area, such as theoretical models, crystal engineering, molecular magnetism, SMM, SIM, SCM, SCO, magnetic nanostructures, magnetic MOFs, magnetic recording, qubits, magneto-caloric materials, etc. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

Editor-in-Chief

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