

Special Issue

Chemistry of the Manganese(III) Ion

Message from the Guest Editor

The Mn(III) ion has a reduction potential of 1.23 V vs. NHE in water, making it the highest-potential single-electron oxidant readily available in nature. This high potential is an important property of Mn that enables photosynthesis and lignin degradation and therefore plays a central role in Earth's carbon cycle. This Special Issue focuses on recent developments in humankind's efforts to understand and harness this high-potential oxidant for various applications and provide a multidisciplinary perspective on its chemistry.

Guest Editor

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Message from the Editor-in-Chief

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