

# EPR insights into spin couplings in coordination compounds

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## **Abstract**

Molecular magnetic materials are intriguing candidates for future technologies, such as quantum information processing and high-density data storage. Their fundamental properties can be explored using electron paramagnetic resonance (EPR), which uncovers how spins behave and interact in different crystalline environments. In this seminar, I will introduce the basic concepts of EPR and explain how it reveals magnetic interactions in molecular crystals composed of weakly coupled spins.