Carbon Based Magnetism

Description: Magnetism is one of the most intriguing phenomena observed in nature. Magnetism is relevant to physics and geology, biology and chemistry. Traditional magnets, an ubiquitous part of many everyday gadgets, are made of heavy iron- or nickel based materials. Recently there have been reports on the observation of magnetism in carbon, a very light and biocompatible element. Metal-free carbon structures exhibiting magnetic ordering represent a new class of materials and open a novel field of research that could lead to many new technologies.

The most complete, detailed, and accurate Guide in the magnetism of carbon
Dynamically written by the leading experts
Deals with recent scientific highlights
Gathers together chemists and physicists, theoreticians and experimentalists
Unified treatment rather than a series of individually authored papers
Description of genuine organic molecular ferromagnets
Unique description of new carbon materials with Curie temperatures well above ambient.

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