

"Normal" and "reverse" spin crossover induced by two different structural events in iron(II) coordination polymer.

Autorzy

Marek Weselski

Maria Książek

Pamela Mess

Joachim Kusz

Robert Bronisz

Rok wydania

2019

Czasopismo

Chemical Communications

Numer woluminu

55

Strony

7033-7036

DOI

10.1039/c9cc02755f

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

In $[\text{Fe}(\text{ebbtr})_2(\text{CH}_3\text{CN})_2](\text{CF}_3\text{SO}_3)_2 \cdot 4\text{CH}_3\text{CN}$ spin crossover is associated with the occurrence of "normal" and "reverse" hysteresis loops separated by a region of stable HS form. This results from *trans-trans* \rightarrow *gauche-trans* conformational changes of ebbtr molecules and anion reorientation, which occur in different ways during cooling and during heating.

Adres publiczny

<http://dx.doi.org/10.1039/c9cc02755f>

Strona internetowa wydawcy

<https://www.rsc.org/>