

Supporting materials

Solvent-modulated metamagnetism in a Fe(II) system exhibiting a two-step field-induced magnetic transition

Chun-Ding Zhou, Chao Chen, Li-Xuan Cai and Jie Zhang*

State Key Laboratory of Structural Chemistry, Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, Fuzhou, Fujian 350002, P. R. China. E-mail: zhangjie@fjirsm.ac.cn; Fax: (+86) 591-83710051

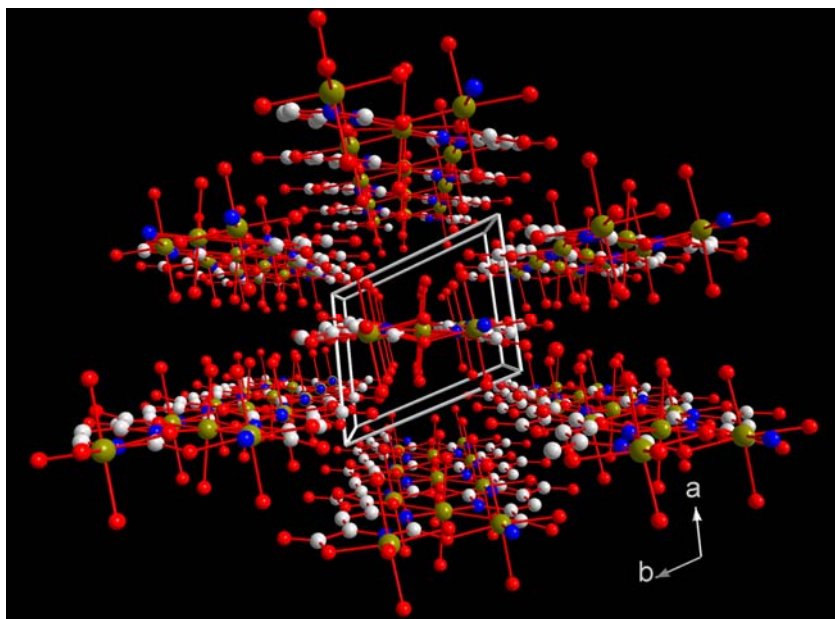


Fig. S1 Ball-and-stick representation of the packing pattern for **1·Fe**.

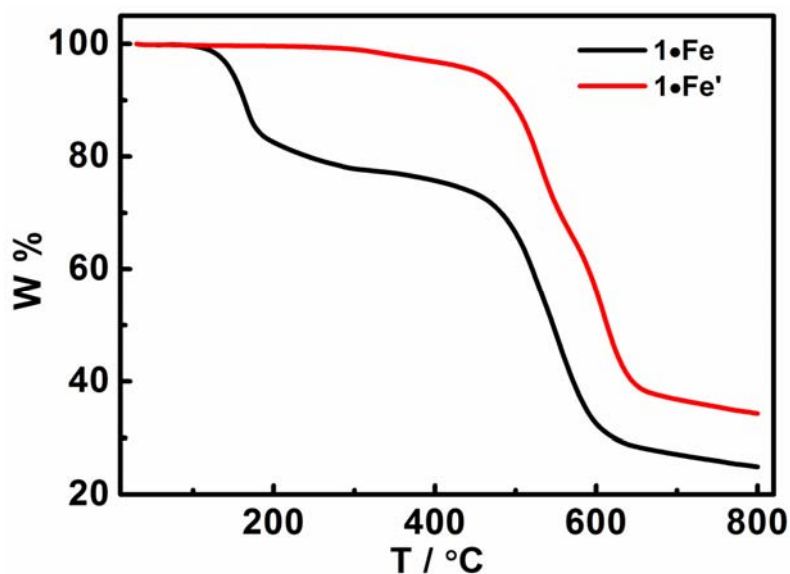


Fig. S2 TG plots for **1·Fe**(black) and **1·Fe'**(red) measured in flowing N₂.

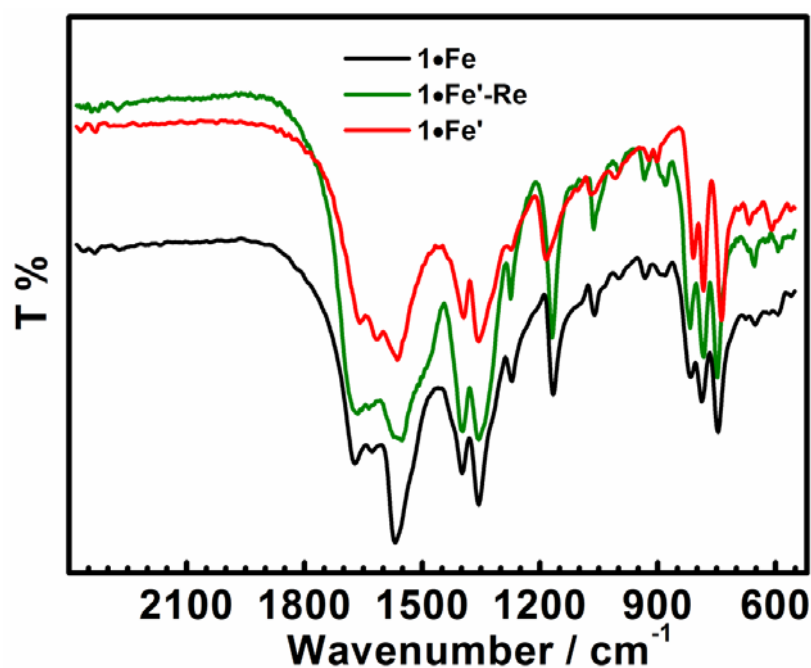


Fig. S3 IR spectra recorded for the transformation from **1•Fe**(black) to **1•Fe'**(red) and back to **1•Fe'-Re**(olive).

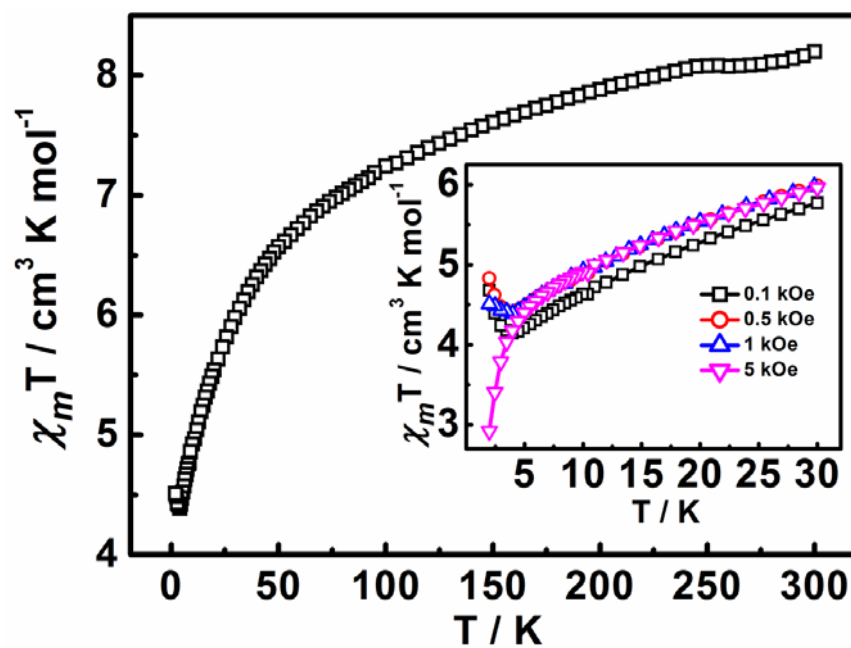


Fig. S4 Plot of $\chi_m T$ vs. T for **1•Fe'-Re** at 1 kOe. Inset: the blowup of the $\chi_m T$ vs. T curves at low-temperature region under different external fields.