

Iron Carbide and Nitride via a Flexible Route: Synthesis, Structure and Magnetic Properties

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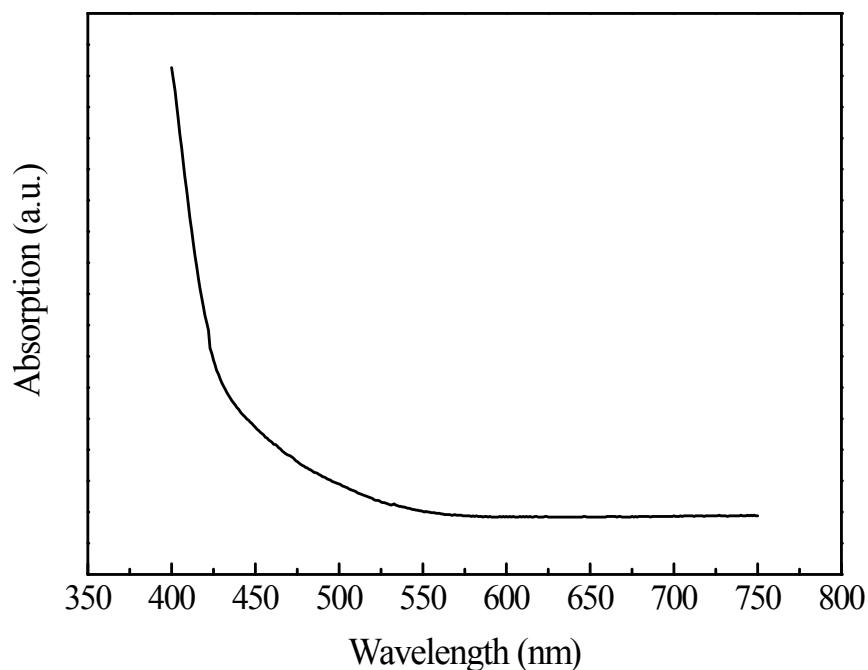


Fig. S1 UV-vis absorption spectrum of FeCl_3 dissolved in ethanol

Table 1 Magnetic properties of products at different ratio of FeCl_3 to HMTA

Ratio	Saturated Magnetization (M_S , emu/g)	remnant magnetization (M_R , emu/g)	Coercivity (H_C , Oe)
1:1	150.51	3.81	43.36
1:3	53.03	5.91	274.30
1:5	29.47	4.56	318.39
1:10	16.24	3.12	324.68