Electronic Supplementary Material (ESI) for RSC Advances.

Dissolution and oriented aggregation: transformation from lepidorocite to goethite by the catalysis of aqueous Fe (II)

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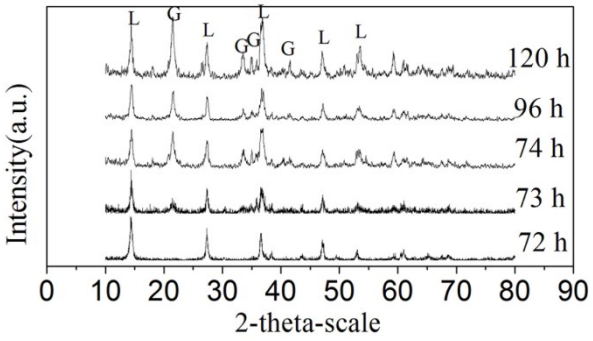

Fig. S1 XRD patterns of lepidocrocite aged with R = 0.02 for 72, 73, 74, 96, 120 h; L: Lepidocrocite; G: Goethite.

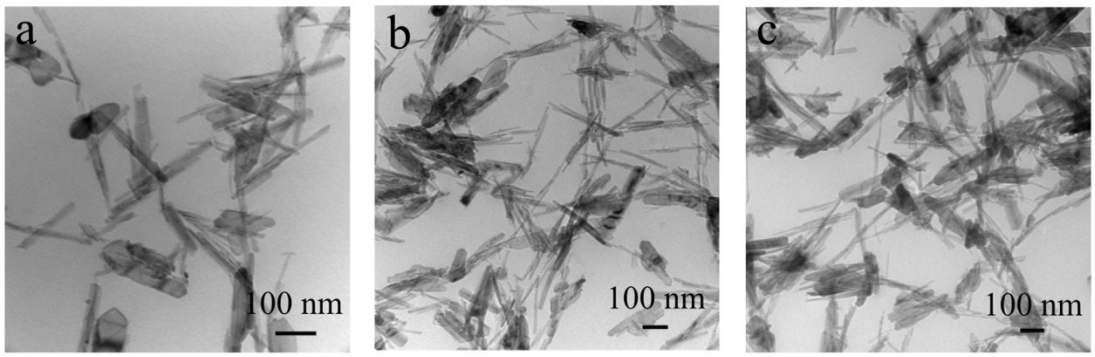

Fig. S2 TEM images of lepidocrocite aged with R = 0.02 for (a)73 ,(b) 74,(c) 96 h.

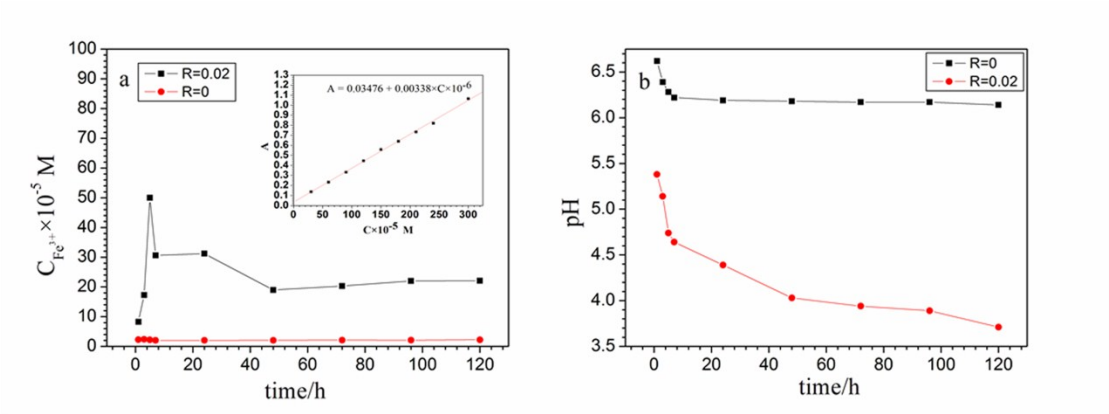

Fig. S3 (a) The concentration of Fe(Ⅲ) ions when lepidocrocite aged with R = 0 and aged with R = 0.02; (b) The pH of lepidocrocite aged with R = 0 and aged with R = 0.02.