

Supporting Information

Controllable synthesis of coralloid Fe₃O₄ nanoclusters in an ionic liquid for catalytic applications

Kai Sun^a, *Changgeng Sun*^a, *Shaokun Tang*^{*a,b}

^a Key Laboratory for Green Chemical Technology of Ministry of Education, School of Chemical Engineering & Technology, Tianjin University, Tianjin 300072, China

^b Collaborative Innovation Center of Chemical Science and Engineering (Tianjin), Tianjin University, Tianjin 300072, China

E-mail address: shktang@tju.edu.cn

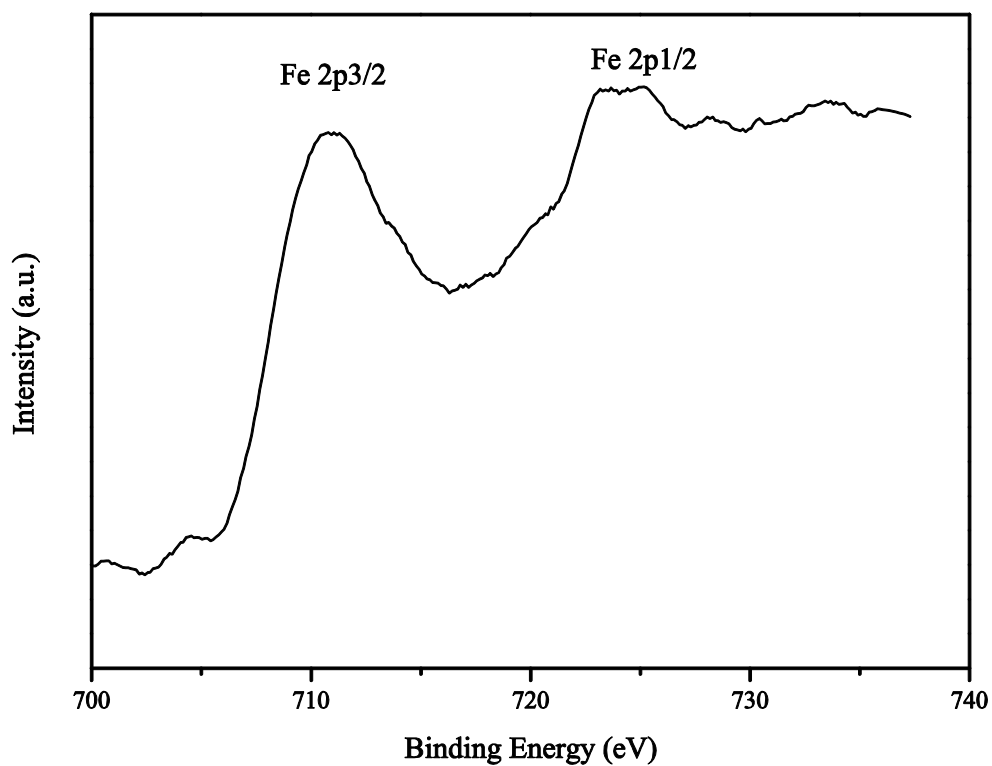


Figure S1. XPS spectrum of the coralloid Fe_3O_4 nanolusters synthesized in the presence of [Dmim]Cl

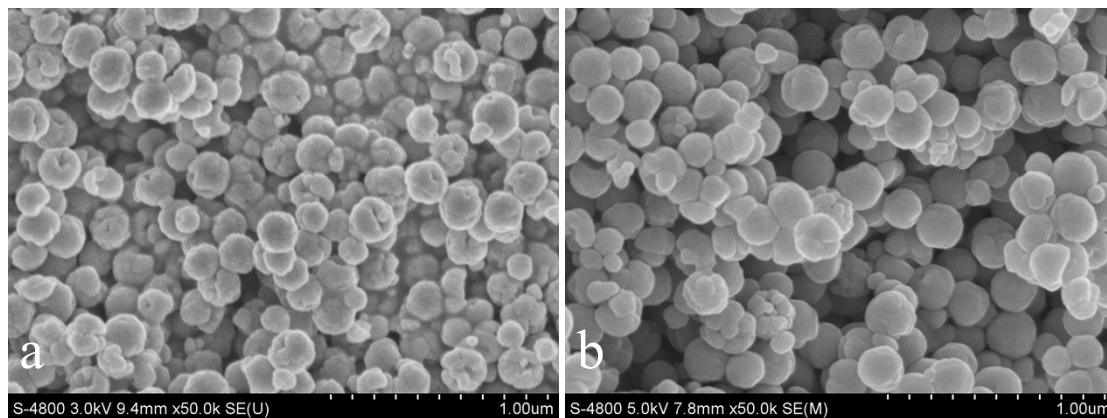


Figure S2. SEM images of Fe_3O_4 nanoparticles synthesized using precursor ferric chloride in the absence of [Dmim]Cl (a) and in the presence of [Dmim]Cl(b).

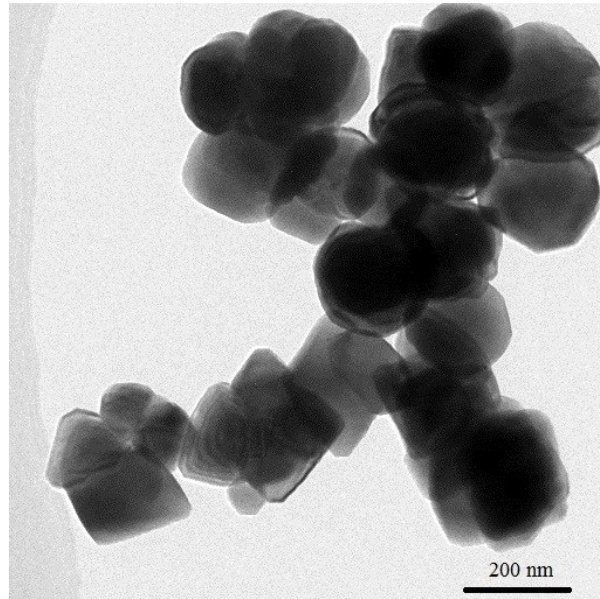


Figure S3. TEM image of commercial Fe_3O_4