

Supporting Information

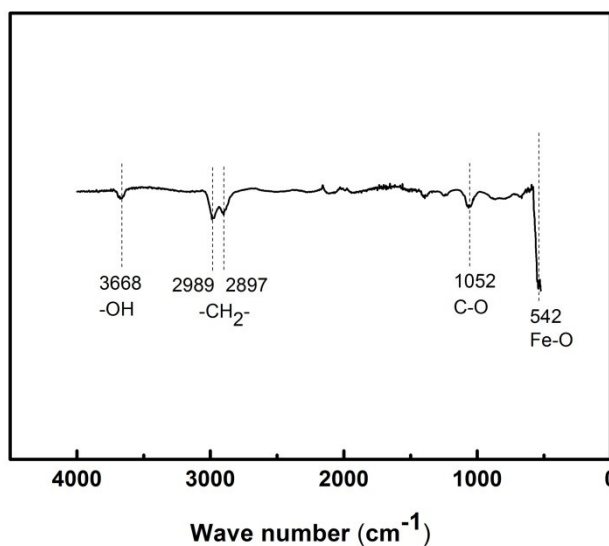


Fig. S1 IR characterization of Fe₃O₄ particles.

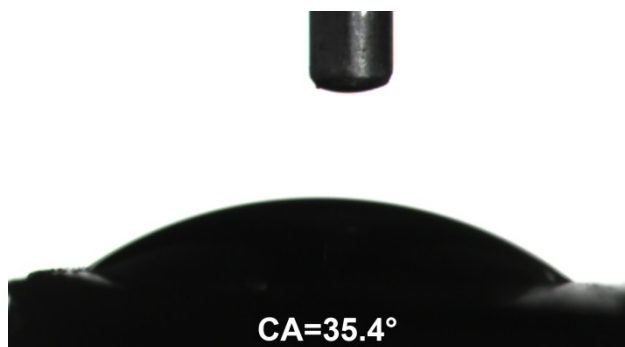


Fig. S2 Water contact angle of Fe₃O₄ particles.

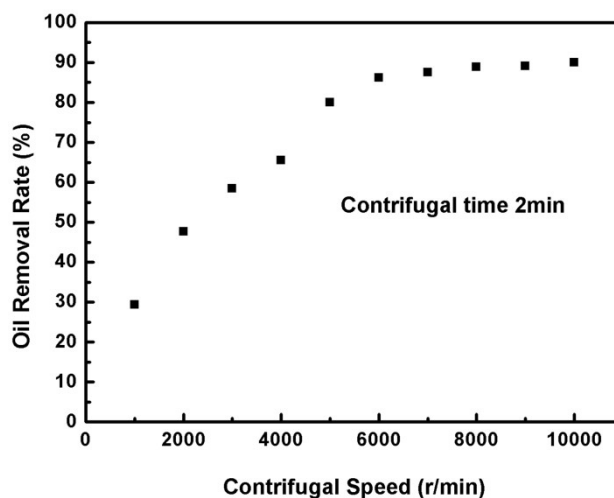


Fig. S3 Relationship between diesel removal rate and centrifugal speed.

Fig. S3 exhibited the regeneration efficiency of the material under varied

centrifugal speed with constant centrifugal time of 2 min. A centrifugal speed of around 6000 r/min was sufficient to achieve deoiling rate of approaching 86.1 %. And 3.8 % improvement of the deoiling rate was achieved with the centrifugal speed increased from 6000 r/min to 10000 r/min.