

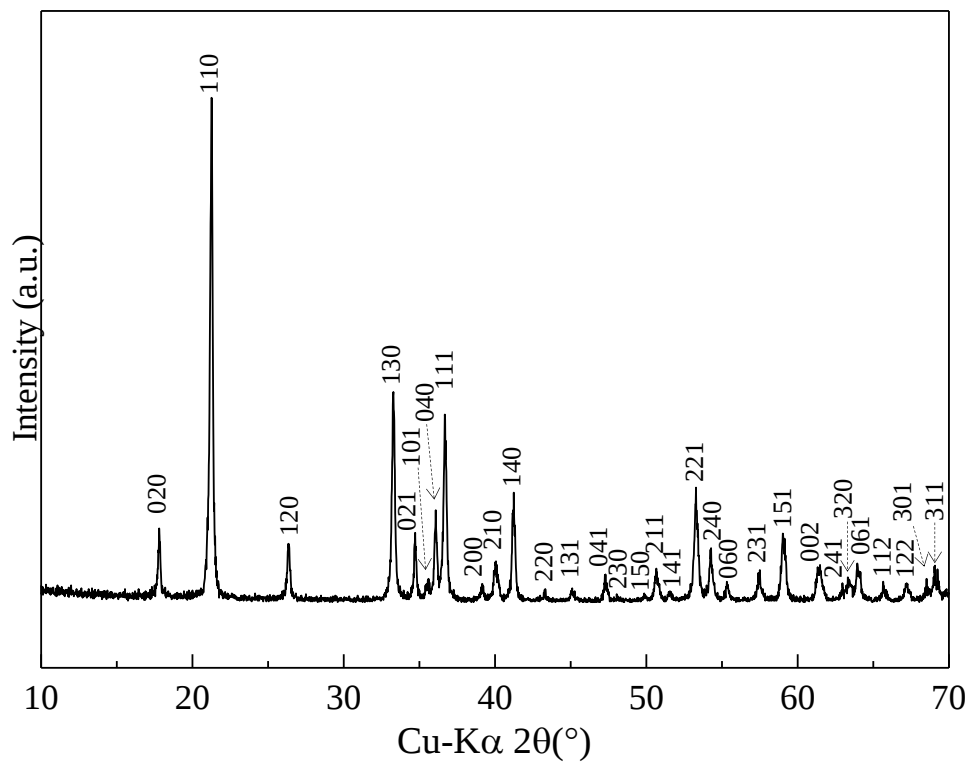


Figure S1. X-ray diffraction patterns of α -FeOOH. All peaks are well-indexed with α -FeOOH ICDD PDF #01-081-0462.

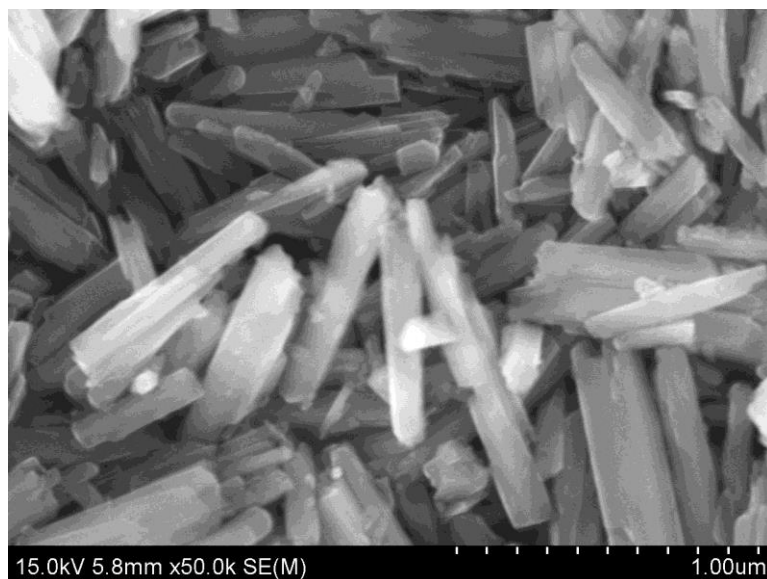
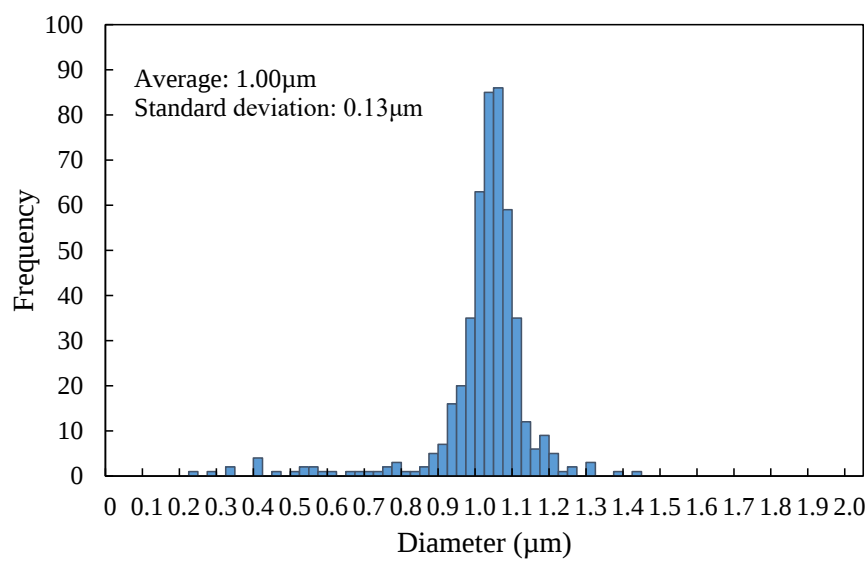
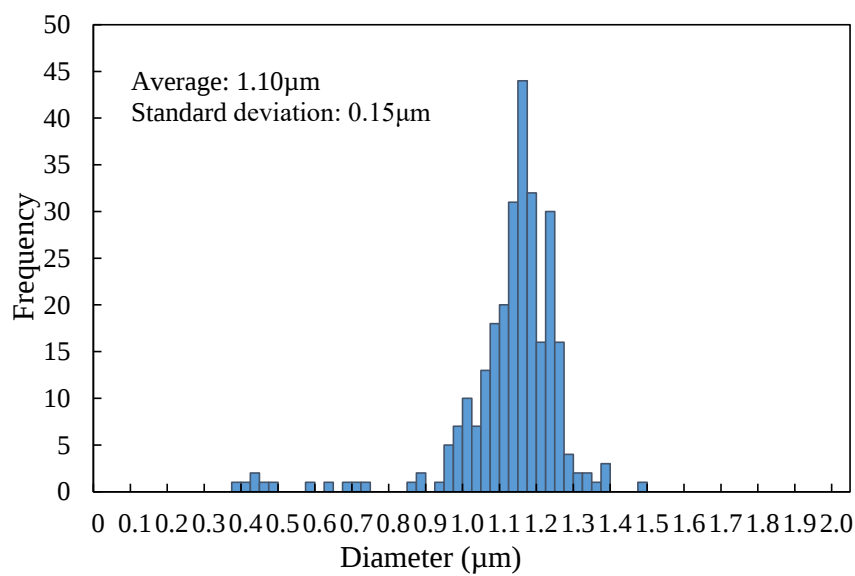


Figure S2. An SEM image of α -FeOOH



(a)



(b)

Figure S3. Size distributions of (a) spherical Fe_3O_4 microparticles (480 particles);
(b) octahedral Fe_3O_4 microparticles (particles 277 particles)