

Electronic Supplementary Information for

**Synthesis of Fe/ferrite composite nanotubes with excellent microwave
absorption performance**

Yuan-Xun Gong,^a Liang Zhen,^{*, a, b} Jian-Tang Jiang,^a Cheng-Yan Xu,^{a, b} Wen-Shou Wang,^a and
Wen-Zhu Shao^a

^a School of Materials Science and Engineering, Harbin Institute of Technology, Harbin 150001, China.

^b MOE Key Laboratory of Micro-systems and Micro-structures Manufacturing, Harbin Institute of Technology, Harbin 150001, China

Fax: 86 451 8641 3922; Tel: 86 451 8641 2133; E-mail: lzhen@hit.edu.cn (L. Zhen)

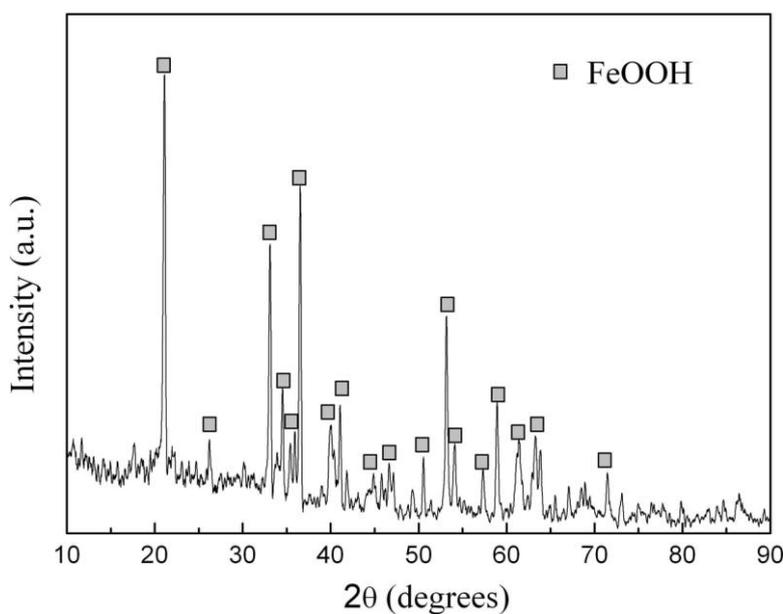


Fig. S1 XRD pattern of the α -FeOOH precursor nanowires.

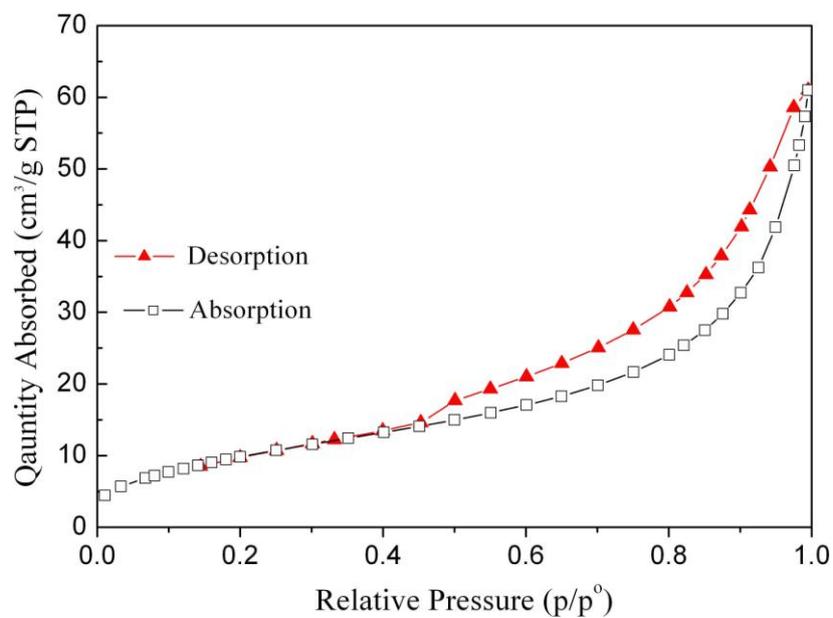


Fig. S2 N₂ adsorption and desorption isotherm of the Fe/ferrite composite nanotubes.

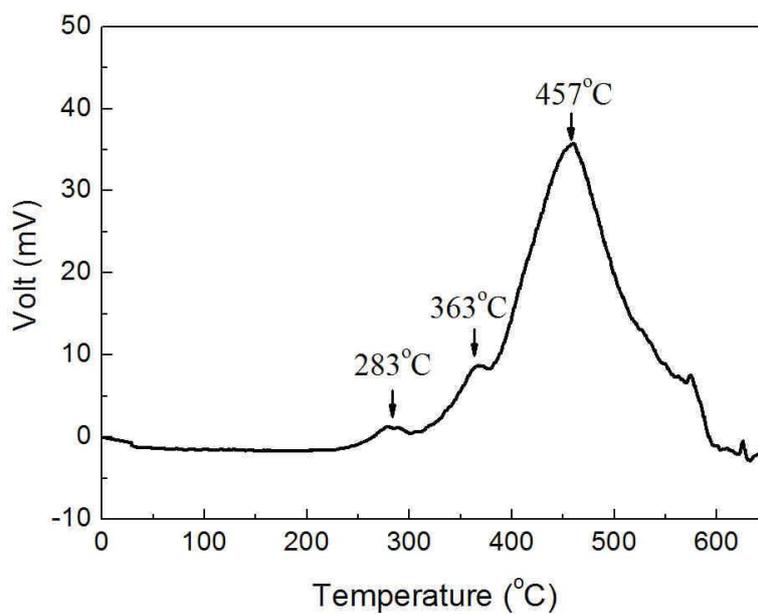


Fig. S3 TPR spectrum of the α -FeOOH precursor nanowires.

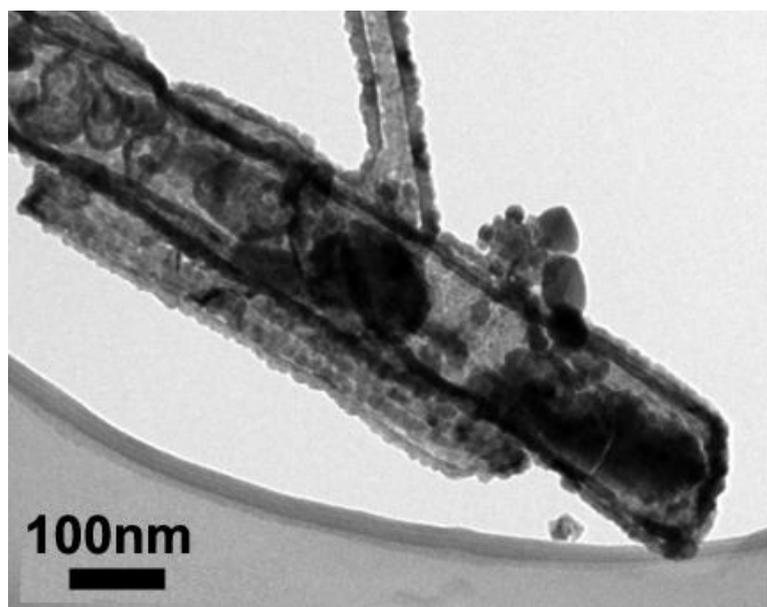


Fig. S4 TEM image of Fe/ferrite composite nanotubes with reduction duration of 30 min.