

Electronic Supplementary Information (ESI) for Journal of Materials Chemistry C

## Tunable hierarchical Fe nanowires with a facile template-free approach for enhanced microwave absorption performance†

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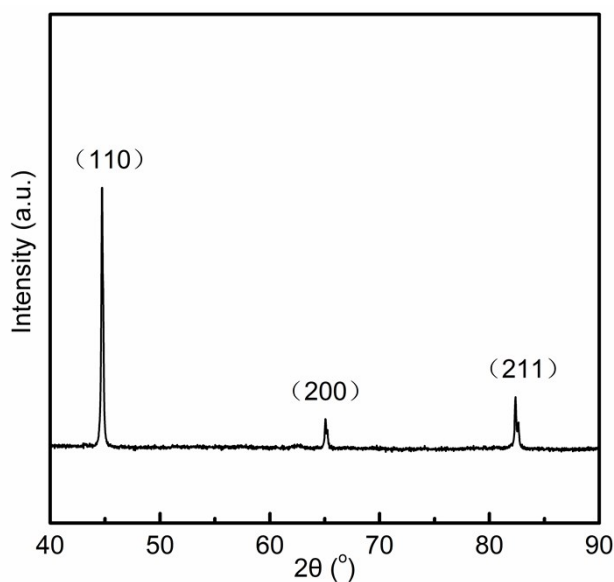


Fig. S1 XRD pattern of commercial Fe nanoparticles.

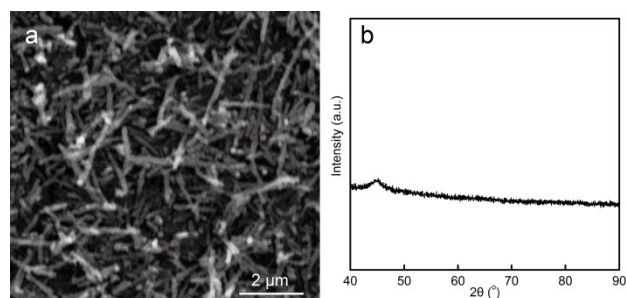


Fig. S2 Initial 2-minute growth of Fe NWs with SEM image (a) and XRD pattern (b)

Table 1 Coercivity ( $H_c$ ) and remnant magnetism( $M_r$ ) of samples

<b>Samples</b>	<b>Coercivity (<math>H_c</math>)</b>	<b>remnant magnetism(<math>M_r</math>)</b>
<b>As-synthesized Fe NWs</b>	360.84 Oe	26.75 emu g <sup>-1</sup>
<b>As-synthesized Fe NPs</b>	308.25 Oe	7.73 emu g <sup>-1</sup>
<b>Commercial Fe NPs</b>	235.20 Oe	11.13 emu g <sup>-1</sup>