One-pot electrochemical synthesis of polydopamine coated magnetite nanoparticles

Supporting information

Figure S1. TGA thermograms of a) naked magnetite nanoparticles synthesized electrochemically and of b) Fe₃O₄@PDA-1 synthesized following approach 1.
Figure S2. FTIR of polydopamine coated magnetic nanoparticles Fe₃O₄@PDA-2-5mg synthesized following approach 2.

Figure S3. TGA thermograms of magnetite nanoparticles synthesized electrochemically by approach 2 a) naked NPs, b) Fe₃O₄@PDA-2-2mg, c) Fe₃O₄@PDA-2-5mg and d) Fe₃O₄@PDA-2-10mg.

Figure S4. FTIR of polydopamine coated magnetic nanoparticles Fe₃O₄@PDA-3-40mg synthesized following approach 3.
Figure S5. TGA thermograms of magnetite nanoparticles synthesized electrochemically by approach 3: a) Fe$_3$O$_4$@PDA-3-20mg, b) Fe$_3$O$_4$@PDA-3-40mg and c) Fe$_3$O$_4$@PDA-3-60mg.