Materials Horizons

ROYAL SOCIETY OF CHEMISTRY

CORRECTION

View Article Online
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Cite this: *Mater. Horiz.*, 2020, 7, 1437

DOI: 10.1039/d0mh90020f

rsc.li/materials-horizons

Correction: A smart indwelling needle with on-demand switchable anticoagulant and hemostatic activities

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Correction for 'A smart indwelling needle with on-demand switchable anticoagulant and hemostatic activities' by Yuanhao Wu *et al.*, *Mater. Horiz.*, 2020, DOI: 10.1039/c9mh01619h.

The authors regret that in the originally published manuscript, the wrong image of the PDA contact angle was used in Fig. 2j. The correct version of Fig. 2 is shown below.

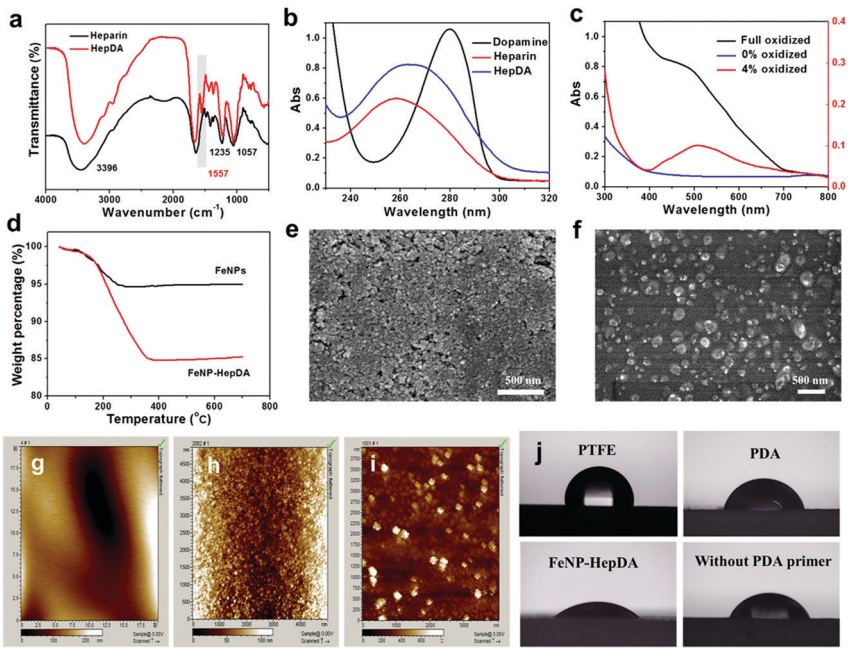

Fig. 2 Physicochemical characteristics of HepDA-coated magnetic nanoparticles and catechol-conjugated chitosan. (a) The FT-IR spectra of dopamine-conjugated heparin. (b) UV-vis absorption spectra of DA, Hep, and HepDA. (c) UV-vis spectra of a CHCS solution with full oxidation (black), partial oxidation by incubation at 4 °C for three days (red), and no oxidation (blue). (d) TGA curves recorded for polylysine-functionalized FeNPs (black) and FeNP–HepDA (red). The content of polylysine and HepDA in FeNP–HepDA could be calculated by the weight loss from 200 °C to 700 °C. (e and f) SEM images of FeNPs (e) and FeNP–HepDA (f). The morphology and size before and after coating with HepDA on FeNPs were visually observed. Surface immobilization of FeNP–HepDA on PTFE substrate. (g–i) AFM images showing the morphology of various FeNP–HepDA nanoparticle-immobilized surfaces. The bare PTFE substrate (g) was chosen as the blank control. PDA was first coated on PTFE by immersion in alkaline solution for 12 h at room temperature and then, FeNP–HepDA was immobilized onto the PDA-coated PTFE in the presence (h) and absence (i) of a magnetic field. (j) Water contact angles on PTFE, PDA-coated PTFE, FeNP–HepDA-coated PTFE, and PTFE immobilized with FeNP–HepDA without PDA primer.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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