Supplementary Material (ESI) for *Journal of Materials Chemistry*

Nitrogen-doped TiO_2 films as drug-binding matrices for the preparation of drug-eluting stents

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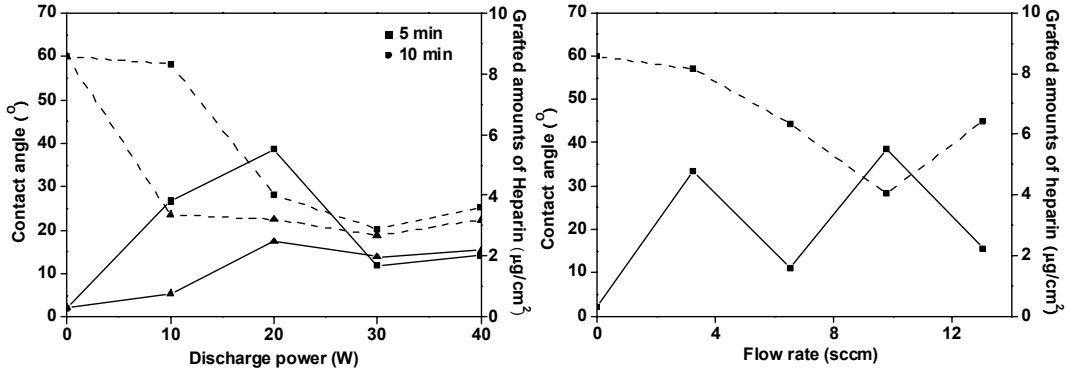
Electronic Supplementary Information

Fig. S1. Water contact angles (---) and grafted-heparin amounts (—) on surface-modified N-TiO_2 films (stainless steel disc of 10 mm × 10 mm) with water plasma at 9.78 SCCM as a function of discharge power at different treatment times (A) and as a function of water vapour flow rates (B).

Fig. S2. FT IR spectra of ALA, heparin, and abciximab.

Fig. S3. ESCA C1s spectra of drug-grafted N-TiO_2 films.

Fig. S4. SEM images of an N-TiO_2 film deposited stent with (A) 30X, (B) 100X, (C) 300X, and (D) 500X magnifications. The N-TiO_2 film was deposited by PECVD at 5 W, 400 °C, oxygen flow rate of 16 SCCM, nitrogen flow rate of 4 SCCM.



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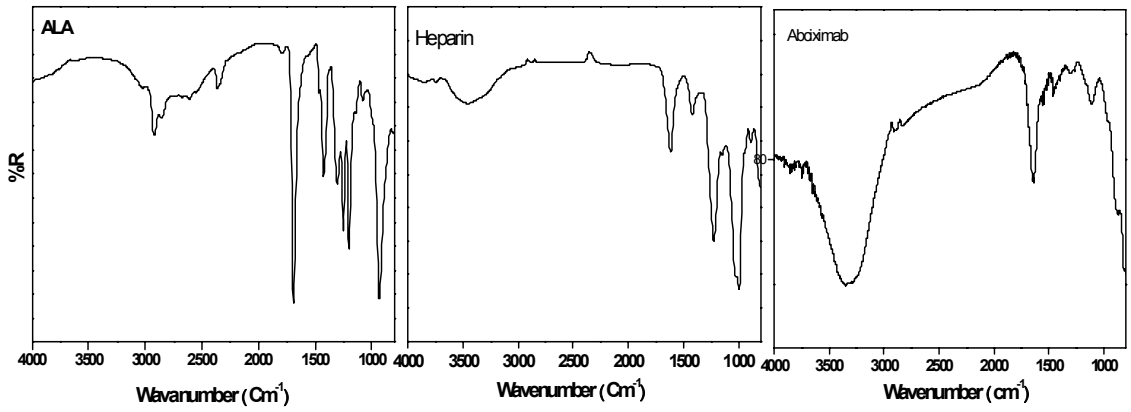

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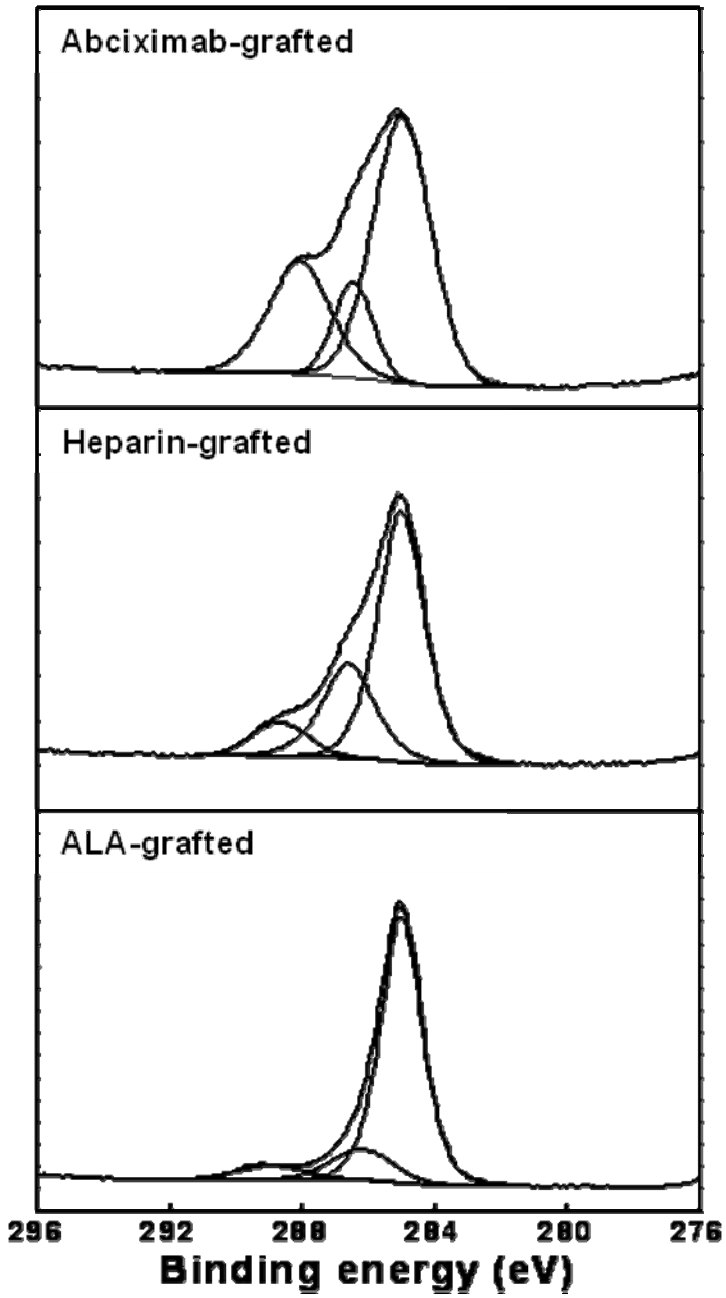

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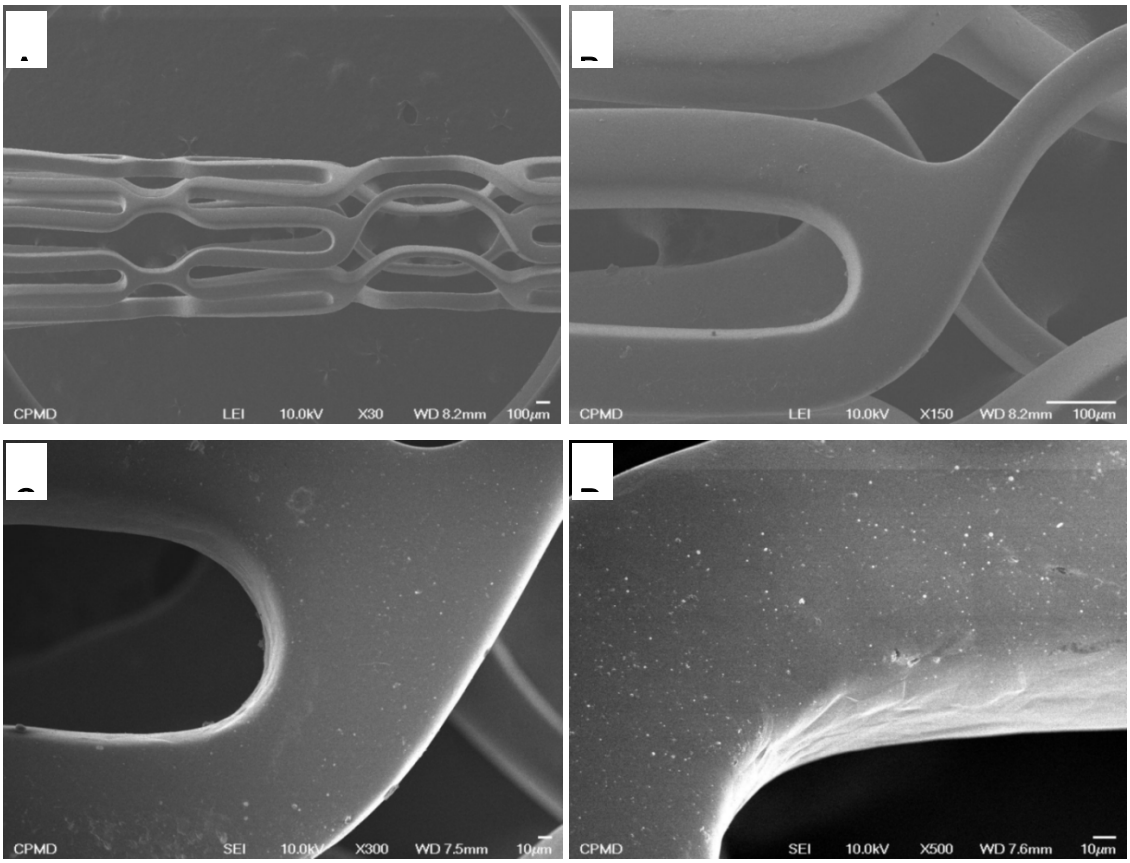

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