Supplementary information for:

Electrospun TiO$_2$-SiO$_2$ fibres with hierarchical pores from phase separation

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**Fig. S1** (a) TG-DTA curves of the as-electrospun PVP/TiO$_2$ composite fibres; (b) The XRD pattern of the TiO$_2$ fibres calcinated at 600 °C for 6 h, indicating mainly rutile phase of the fibres.

**Fig. S2** Optical microscope images of the droplets made of the electrospun precursor with EtOH as solvent at different evaporating times.
**Fig. S3** SEM image of the electrospun product from precursors without TBT, which is non-filamentous and adhered to the collector.

**Fig. S4** (a) SEM image and (b) high magnification SEM image of the electrospun product from precursors without TEOS.