Electronic Supplementary Material (ESI) for Journal of Materials Chemistry

Supporting Information

Design of thorns-like micro/nano fibers: fabrication and controlled morphology for engineered composite materials applications

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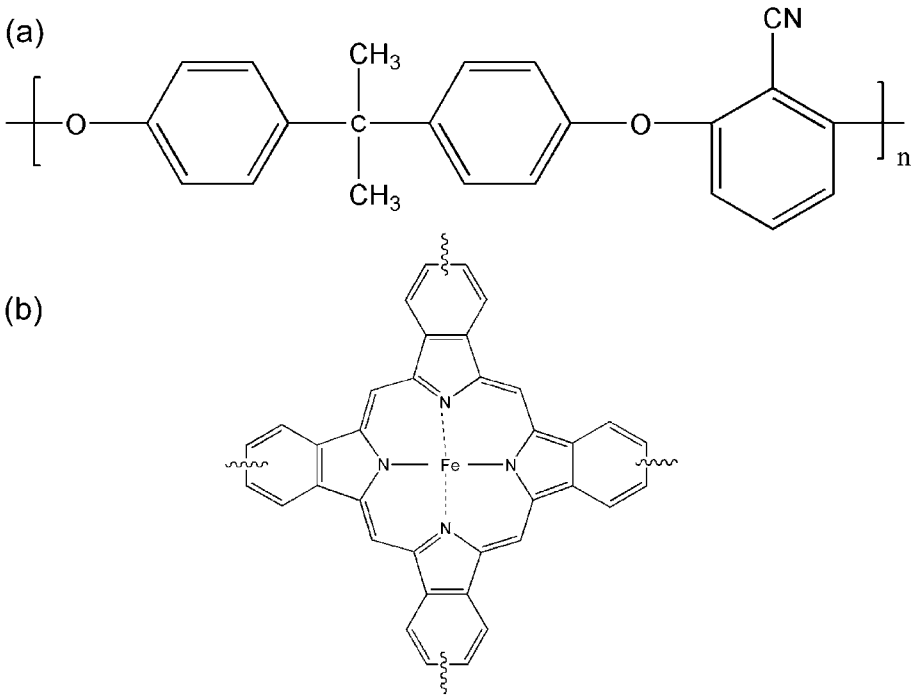

Figure S1. The molecular structure of PEN and FePc

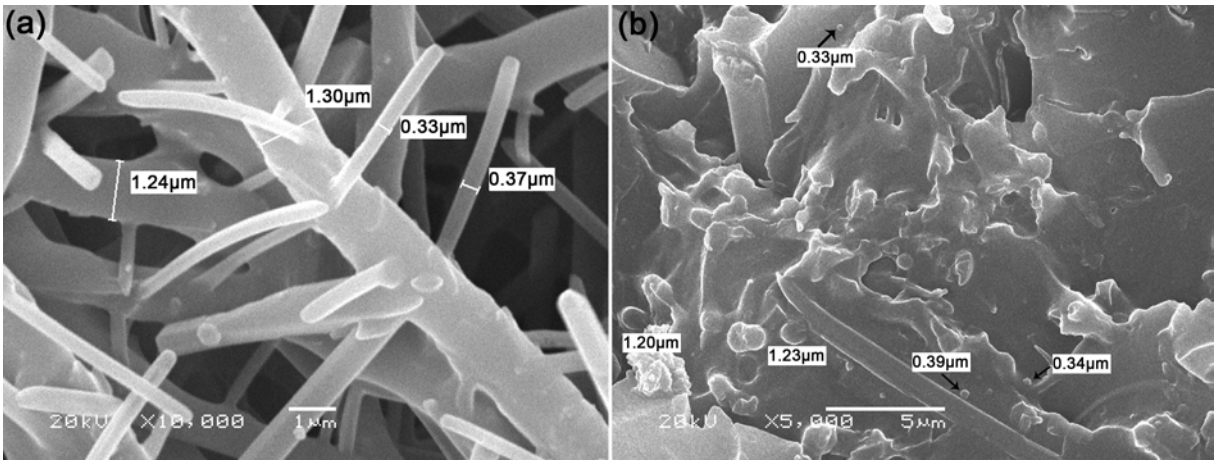

Figure S2. SEM images of PEN/FePc thorns-like fibers (a) and fracture surfaces: epoxy composite with PEN/FePc thorns-like fibers (b).

From the Figure S2a, it can be seen that the diameter of FePc “thorns” and PEN “stem” is about 0.35 μm and 1.20 μm, respectively. After the thorns-like fibers were embedded into the epoxy resin, the “thorn” morphology could be still observed without being destroyed during epoxy preparation (shown in Figure S2b, pointed by arrows).