

**Supporting information**

**Facile One-pot Synthesis of Novel Water-soluble Fluorescent  
Hyperbranched Poly(amino ester)**

Yuqun Du, Hongxia Yan\*, Song Niu, Lihua Bai, Fu Chai

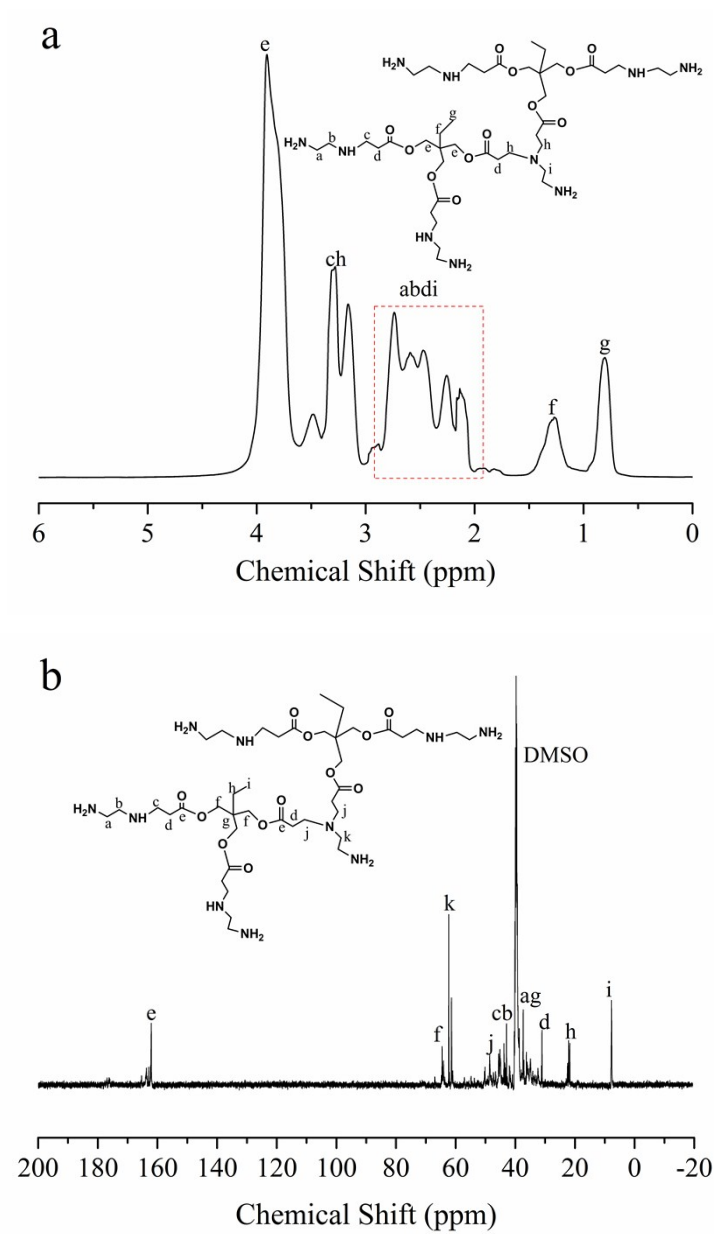


Fig. S1 (a)  $^1\text{H}$  and (b)  $^{13}\text{C}$  NMR spectrum of P2.

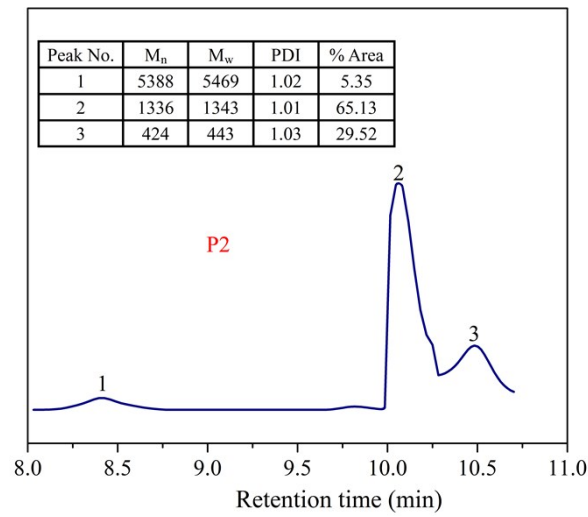
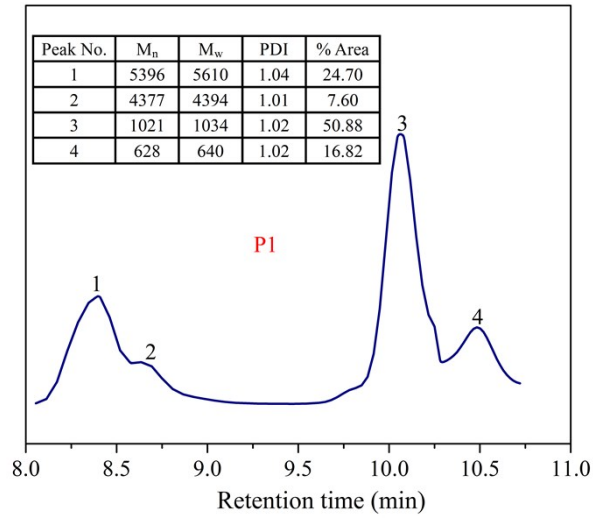


Fig. S2 GPC of P1 and P2

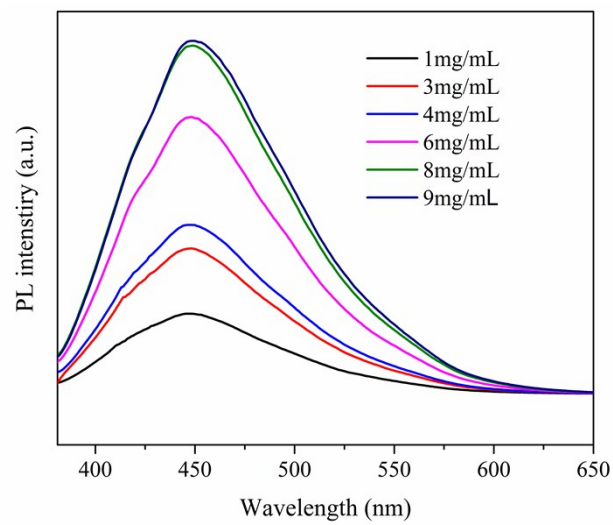


Fig. S3 Fluorescence spectra of P2 solutions at different concentrations.

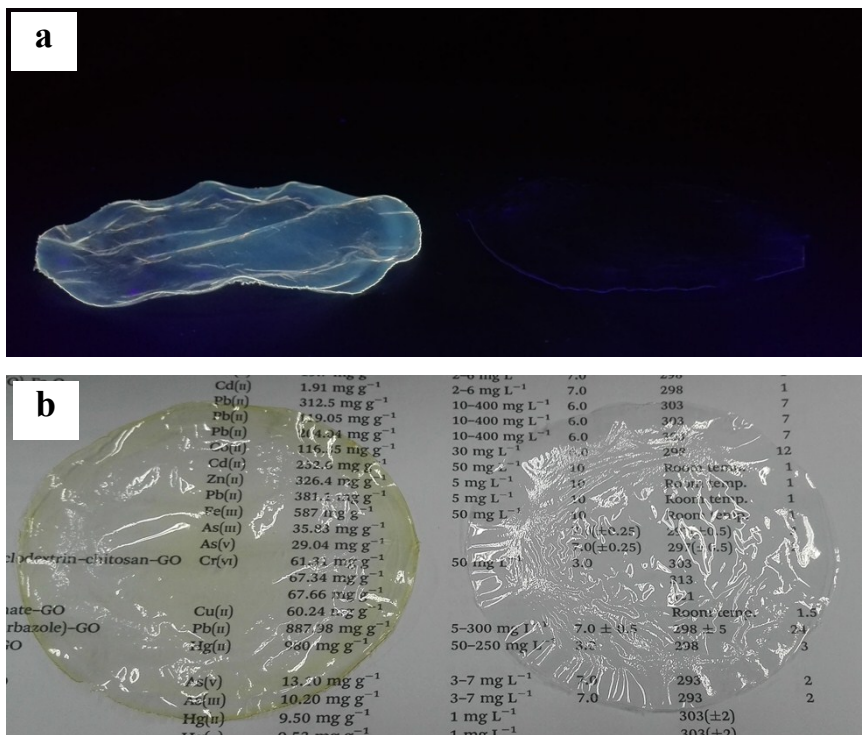


Fig. S4 PVA films with addition of P2 (left), and pure PVA (right) under UV light (a), natural light (b).