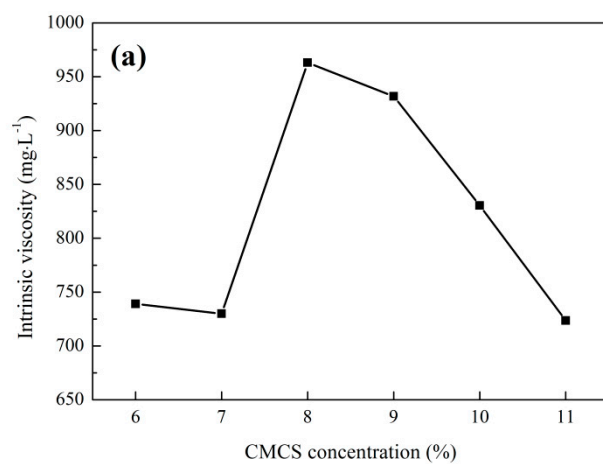


Figure S1. Effect of total monomer concentration on the synthesis of CCPAD: (a) intrinsic viscosity and (b) grafting ratio and grafting efficiency



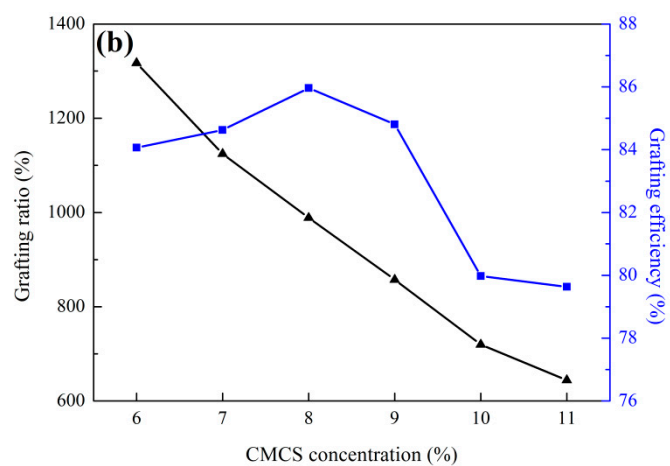


Figure S2. Effect of CMCS concentration on the synthesis of CCPAD: (a) intrinsic viscosity and
(b) grafting ratio and grafting efficiency

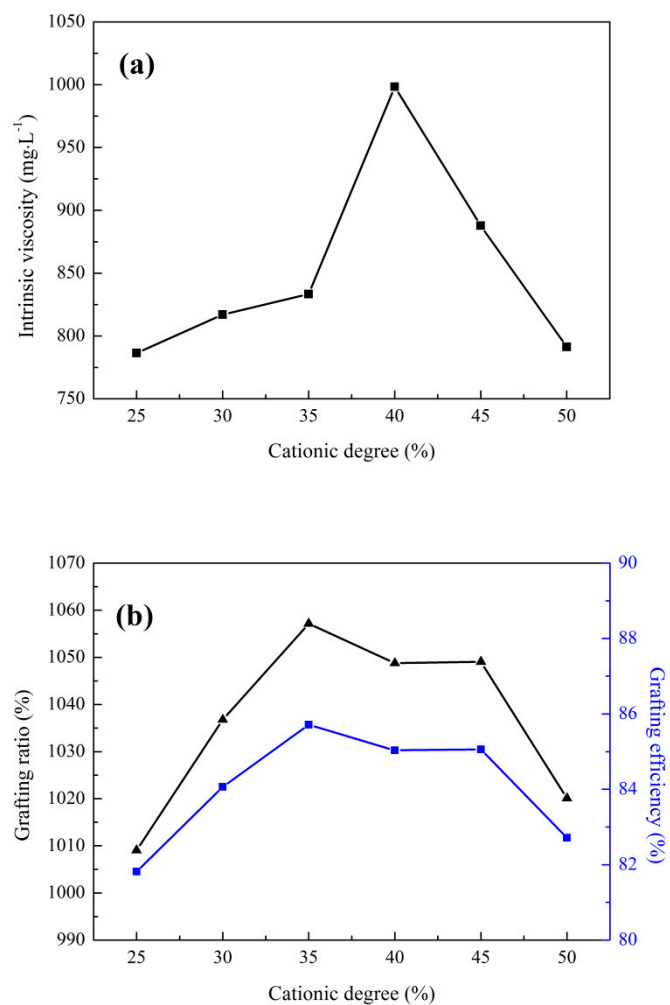


Figure S3. Effect of cationic degree on the synthesis of CCPAD: (a) intrinsic viscosity and (b)

grafting ratio and grafting efficiency

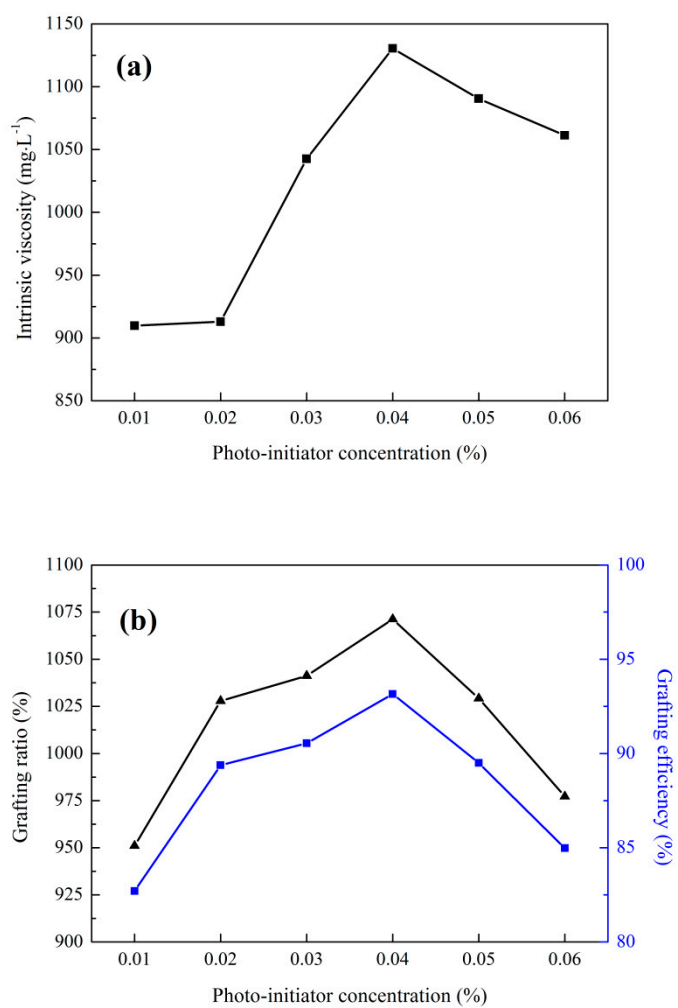


Figure S4. Effect of photo-initiator concentration on the synthesis of CCPAD: (a) intrinsic viscosity and (b) grafting ratio and grafting efficiency

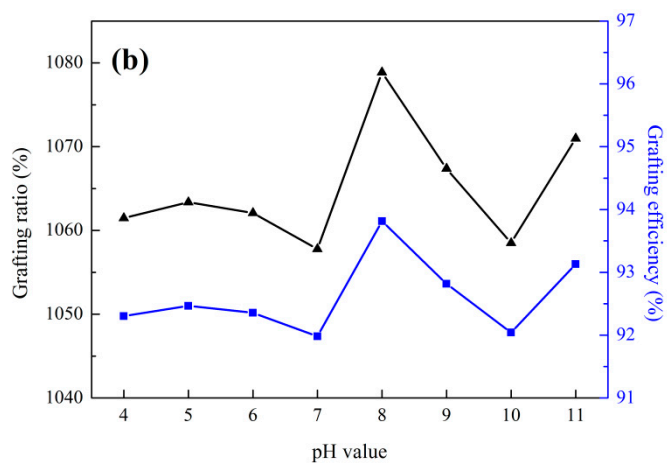
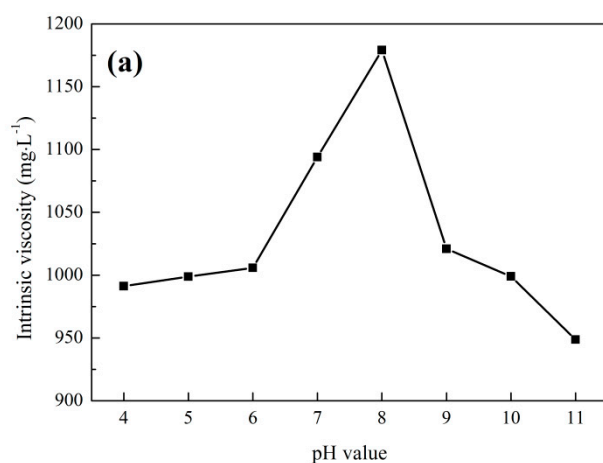
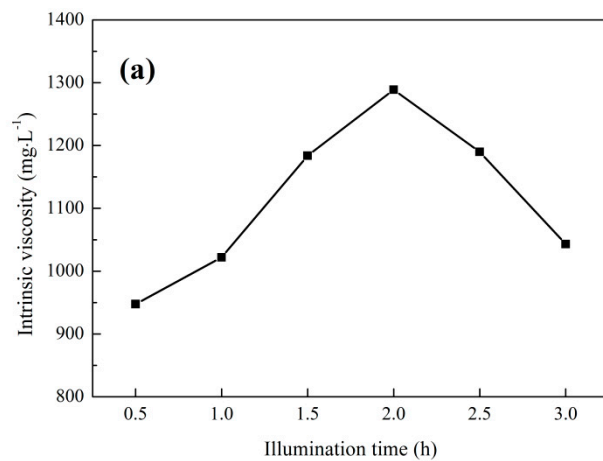


Figure S5. Effect of pH on the synthesis of CCPAD: (a) intrinsic viscosity and (b) grafting ratio and grafting efficiency



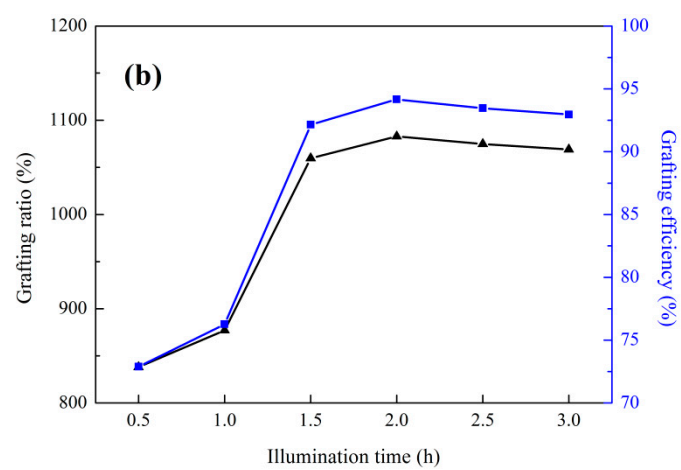


Figure S6. Effect of illumination time on the synthesis of CCPAD: (a) intrinsic viscosity and (b) grafting ratio and grafting efficiency