

Supporting Information

Controlled Fabrication of Highly Conductive Three-dimensional Flowerlike Poly (3, 4-ethylenedioxythiophene) Nanostructures

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Figure S1 FTIR spectra of PEDOT powder (compressed with KBr as a wafer) prepared with different N values: (a) $N=1.5$; (b) $N=30$.

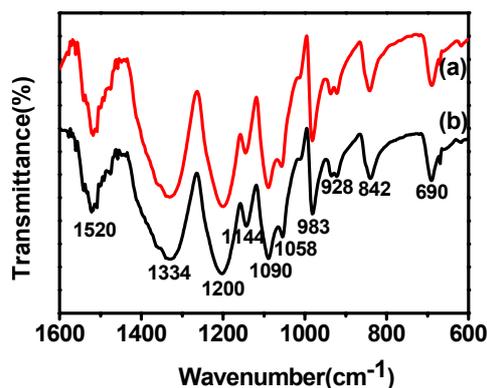


Figure S2 UV-vis absorption spectra of PEDOT prepared under the same concentration of 7M aqueous FeCl₃ solution with different *N* values.

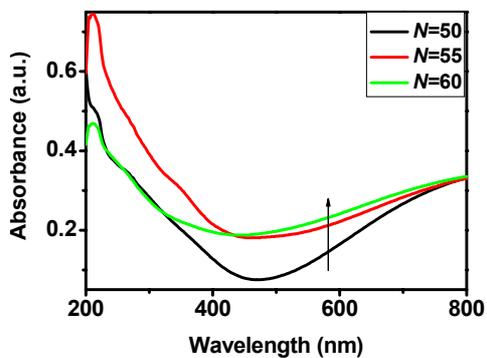


Figure S3 XPS survey spectra of PEDOT bulk powder prepared with different values of *N*: (A) *N* = 1.5; (B) *N* = 15; (C) *N* = 30.

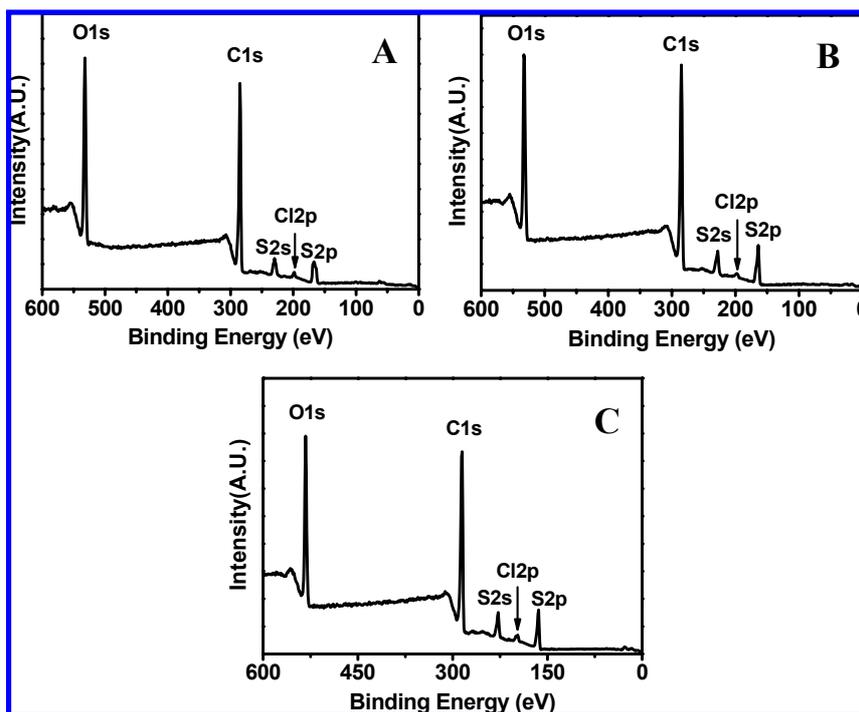


Figure S4. Cl2p and S2p core level spectra of PEDOT bulk powder prepared with different values of N : (A, B) $N = 1.5$; (C, D) $N = 15$.

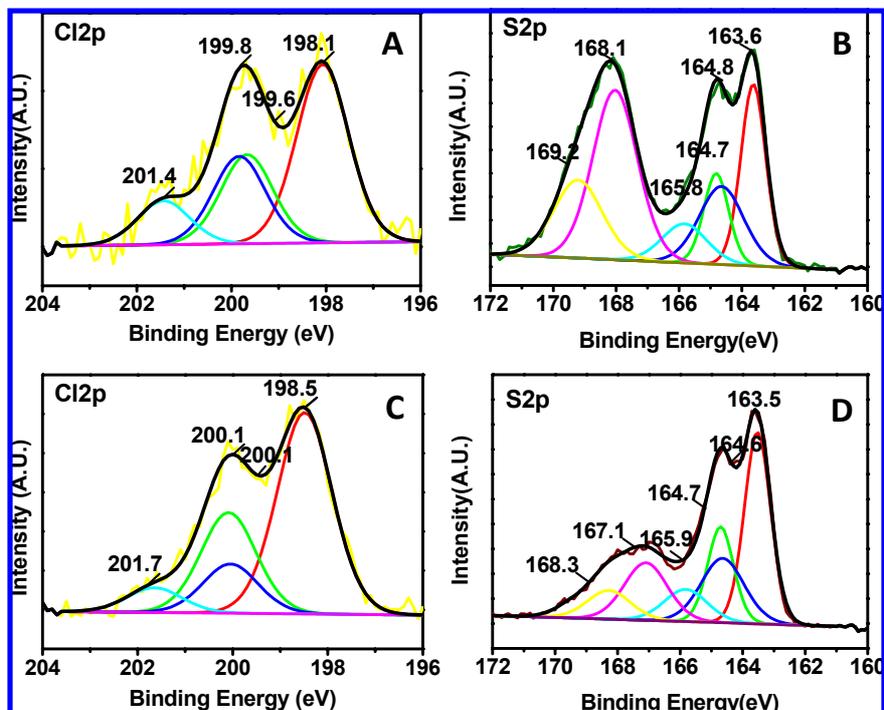


Figure S5 UV-vis absorption spectra of as-prepared PEDOT under different concentrations of aqueous FeCl_3 solution with the same N value of 30.

