

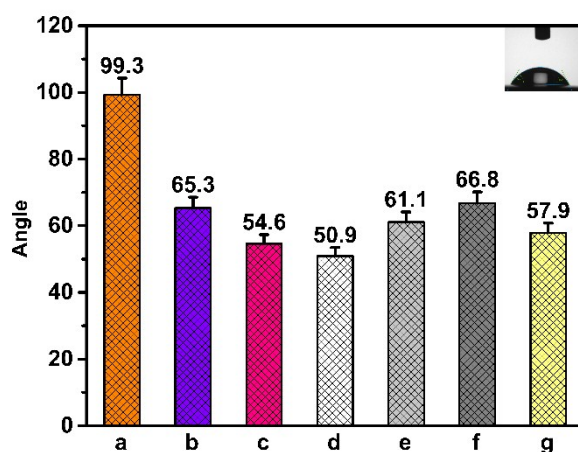
## Supplementary material

### Intramolecular photoinitiator induced atom transfer radical polymerization for DNA electrochemical detection

Ligang Ma<sup>a</sup>, Qianrui Liu<sup>b</sup>, Lihe Jian<sup>a</sup>, Shan Ye<sup>a</sup>, Xiaoke Zheng<sup>a\*</sup>, Jinming Kong<sup>b\*</sup>

<sup>a</sup>Pharmacy College, Henan University of Chinese Medicine, Zhengzhou 450008, P. R. China.

<sup>b</sup>School of Environmental and Biological Engineering, Nanjing University of Science and Technology, Nanjing 210094, P. R. China.



**Fig S1.** The water contact angle (WCA) of bare electrode (a), PNA-modified electrode (b), PNA/MCH-modified electrode (c), PNA/MCH/tDNA-modified electrode (d), PNA/MCH/tDNA/Zr<sup>4+</sup>-modified electrode (e), PNA/MCH/tDNA/Zr<sup>4+</sup>/BPAA-modified electrode (f), PNA/MCH/tDNA/Zr<sup>4+</sup>/BPAA/FMMA-modified electrode (g).