

### SUPPORTING INFORMATION

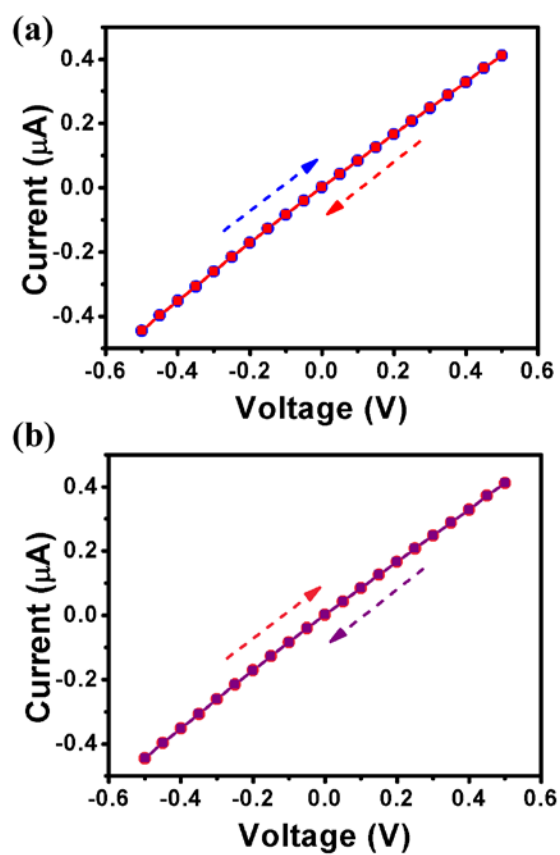


Figure S1. Reciprocating scan on a single ZnS:Cu NR with both ohmic contacts at two ends. The voltage sweeping speed are (a)  $+0.5 \text{ V s}^{-1}$  and (b)  $+0.05 \text{ V s}^{-1}$ , respectively.