

## Supporting information

### High Efficiency Electron Field Emission from Protruded Graphene Oxide Nanosheets Supported on Sharp Silicon Nanowires

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Field emission plot of the GO sheets:

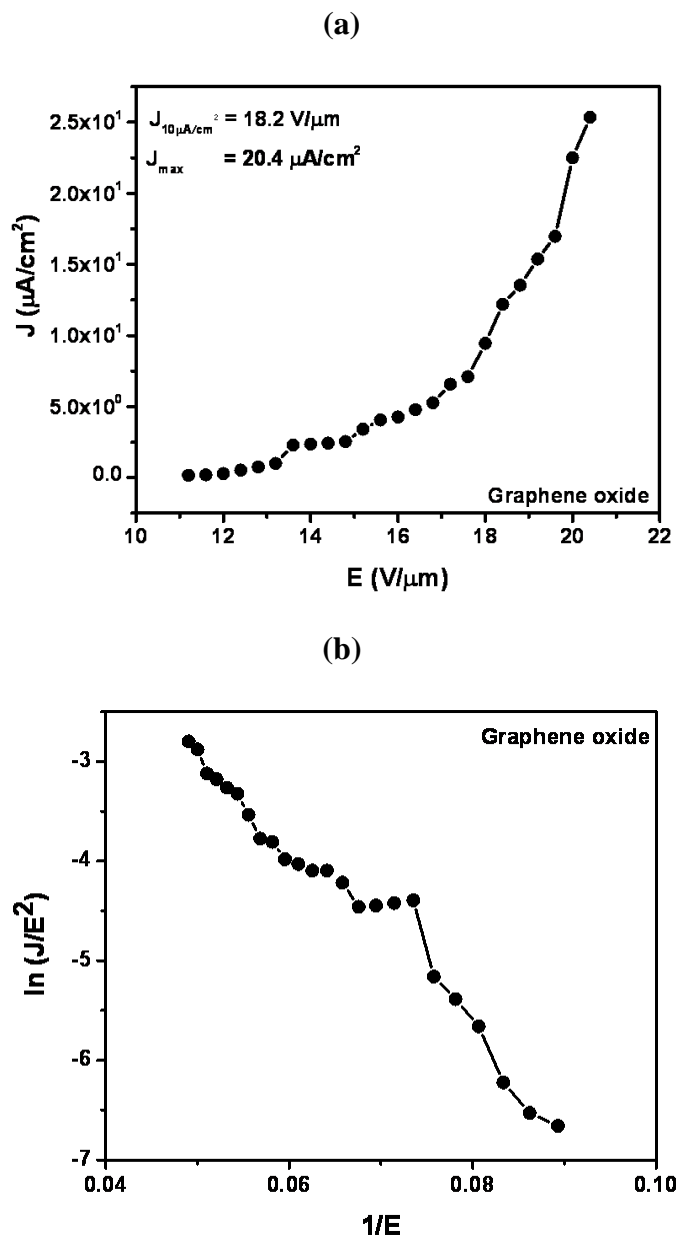


Figure S1 (a) Field emission current density ( $J$ ) versus applied electric field ( $E$ ), and (b) the corresponding F-N plot, of GO sheets