

Supplementary Information

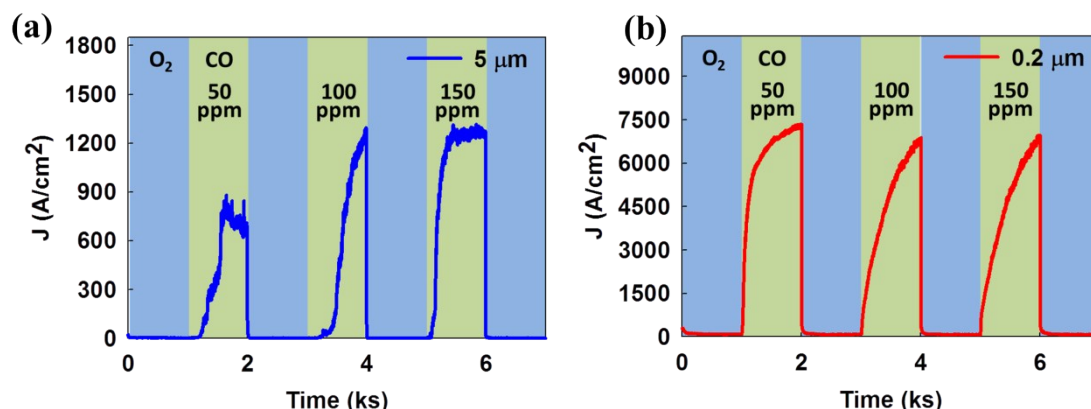


Figure S1: (a) Different CO levels can be monitored by using larger Schottky-gate area device. (b) For using nano point Schottky-gate area device, different CO levels can't be monitored.

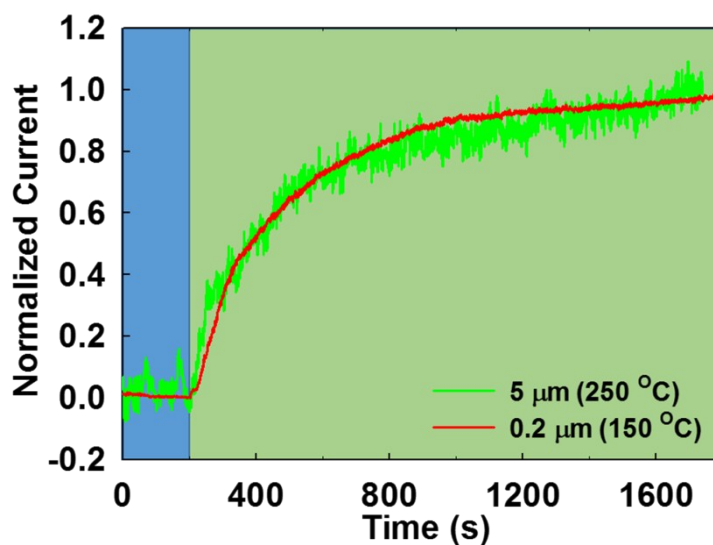


Figure S2: Using nano point Schottky-gate device, the same response can be got under low operating temperature. The Joule heating effect can increase local temperature almost 100°C.