Supporting Information

High performance UV-assisted NO_2 sensor based on CVD graphene at room temperature

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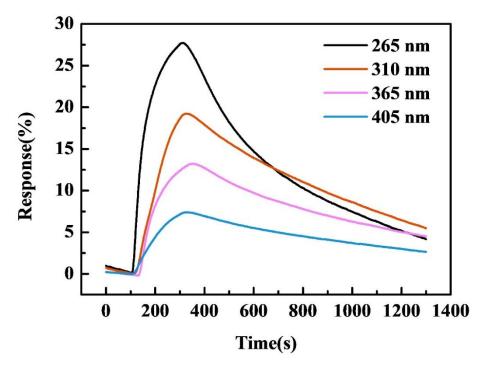


Figure S1 The response and recovery curves of graphene-based sensor exposed to 100 ppm NO₂ under the different light wavelengths.

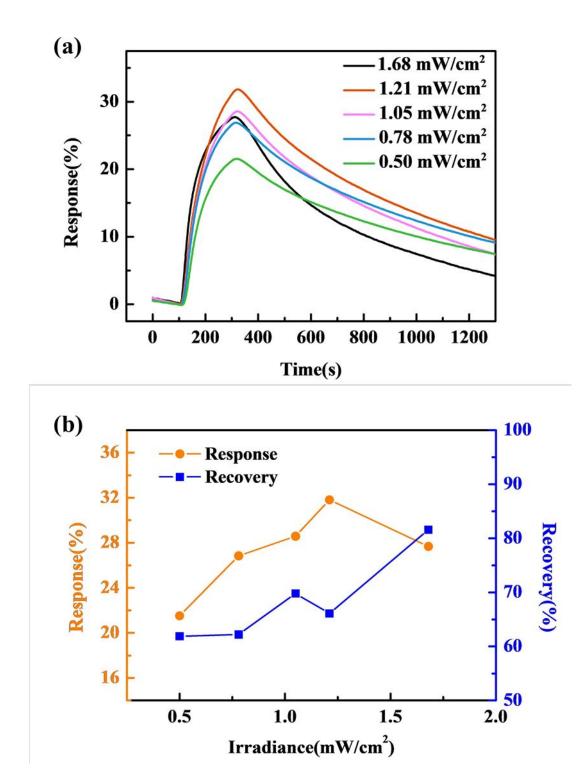


Figure S2 (a) The response and recovery curves of graphene-based sensor exposed to 100 ppm NO_2 under UV light ($\lambda = 265$ nm) with different irradiance. (b) The effects of light irradiance in the range of 0.5 - 1.7 mW/cm² on the response and recovery of the sensor for NO_2 .