

Supporting Information

Gas Sensing with High Resolution LSPR Spectroscopy

Julia M. Bingham, Jeffrey N. Anker[†], Lauren E. Kreno, Richard P. Van Duyne
*Department of Chemistry, Northwestern University, 2145 Sheridan Road, Evanston,
Illinois 60208*

Supplementary Data: Described in text, shown below.

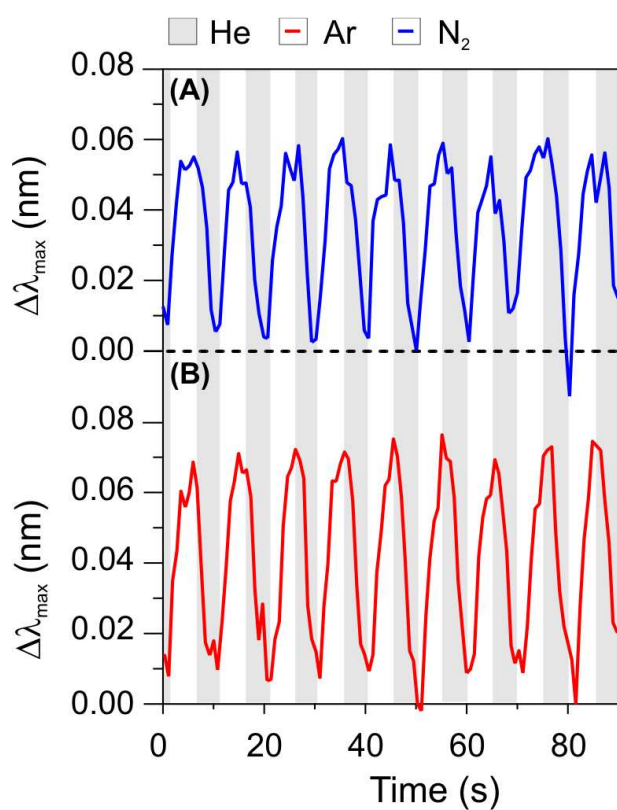


Figure S1. (A) Plot of LSPR extinction maximum as a function of time as the gas is switched between He (g) (shaded areas) and Ar (g) and (B) He(g) and N₂(g). Changes in RI of 2.45×10^{-4} and 2.62×10^{-4} RIU between He/Ar and He/N₂, respectively, were detected using 5 s switching intervals.

[†] Current Address: Department of Chemistry and Center for Optical Materials Research and Technology, Clemson University, Clemson, SC 29634