Supporting Information

Manuscript Title:
Polyelectrolyte Stabilized Bi-Metallic Au/Ag Nanoclusters Modified Electrodes for Nitric Oxide Detection

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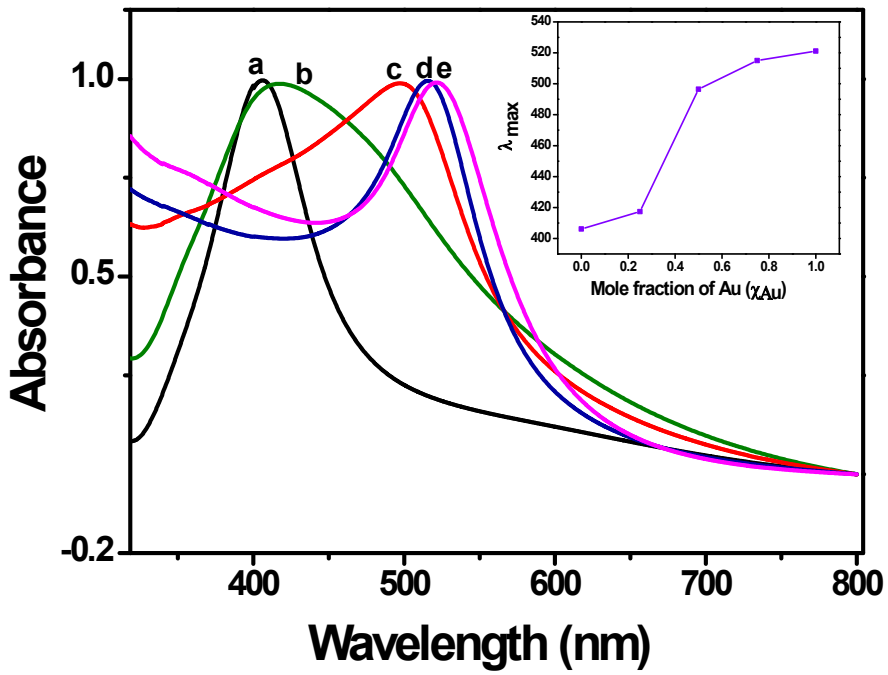
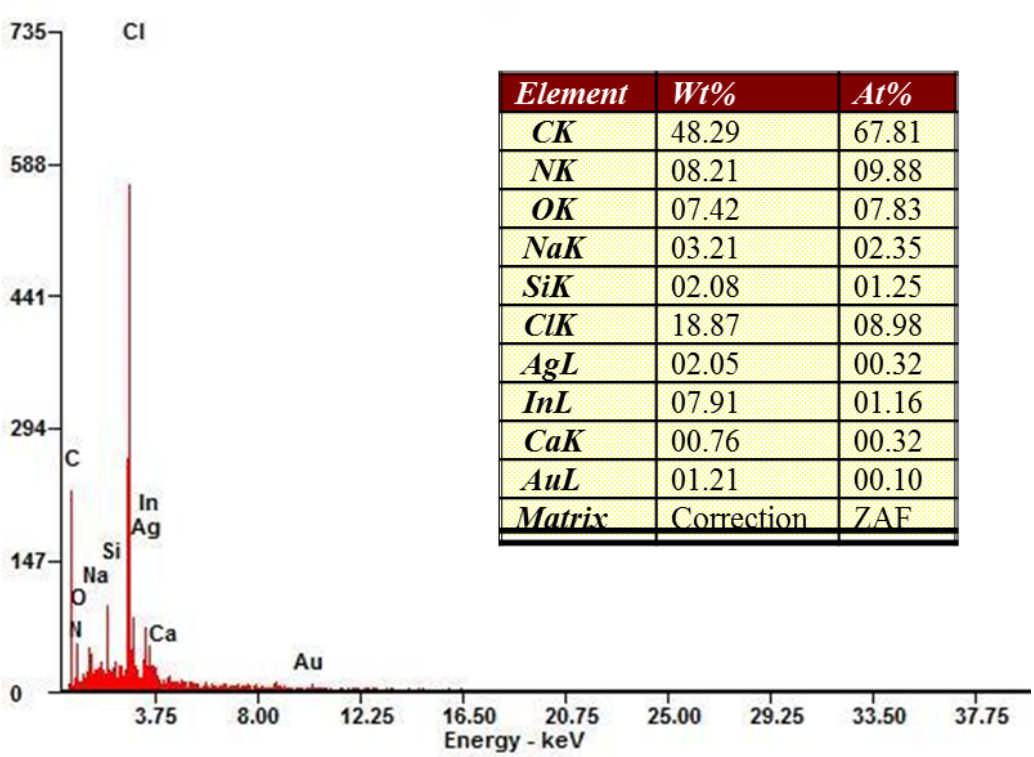


Fig. S1. Normalised UV-vis absorption spectra of PADA–Ag NPs (a), PADA–$Au_{25}Ag_{75}$ NCs (b), PADA–$Au_{50}Ag_{50}$ NCs (c), PADA–$Au_{75}Ag_{25}$ NCs (d) and PADA–Au NPs (e) solutions. Inset shows the plot of absorption maximum against Au mole fraction.



Element	Wt%	At%
CK	48.29	67.81
NK	08.21	09.88
OK	07.42	07.83
NaK	03.21	02.35
SiK	02.08	01.25
ClK	18.87	08.98
AgL	02.05	00.32
InL	07.91	01.16
CaK	00.76	00.32
AuL	01.21	00.10
Matrix	Correction	ZAF

Figure S2. EDX spectrum of PADA-$Au_{25}Ag_{75}$ NCs.

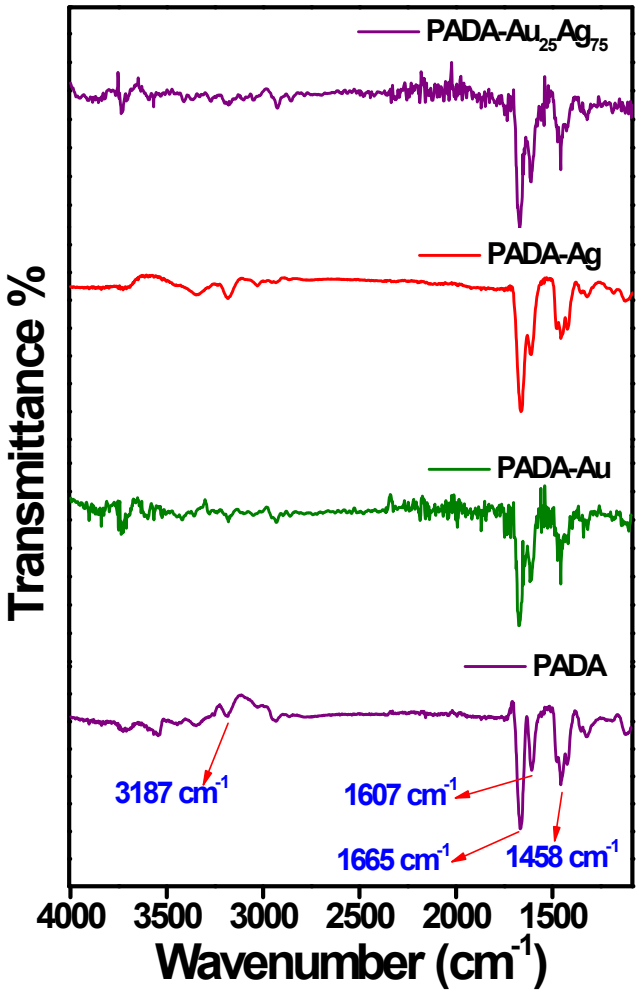


Figure S3. FT-IR spectra recorded for the PADA and PADA stabilized mono- and bi-metallic nanostructures.

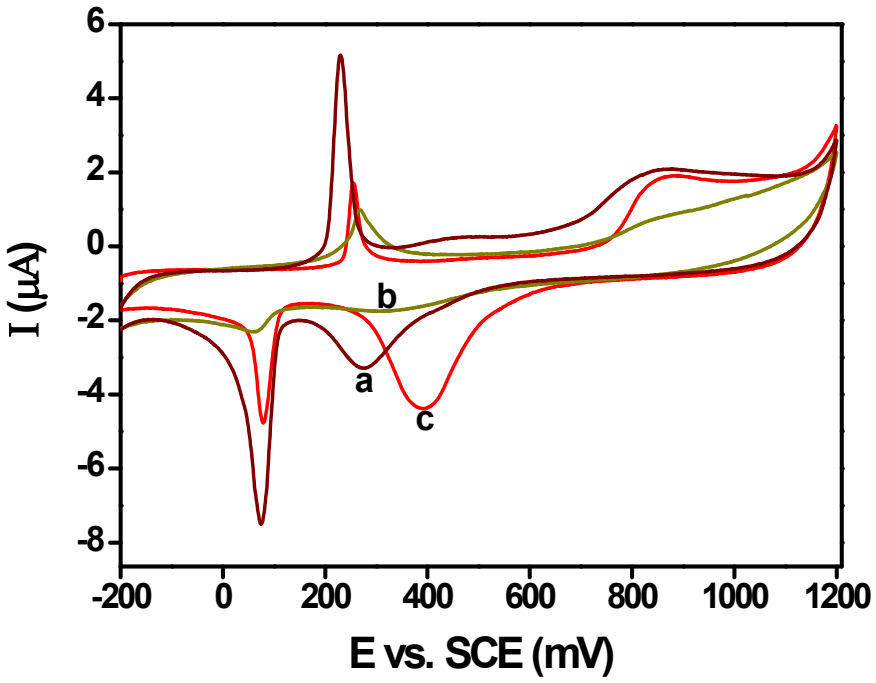
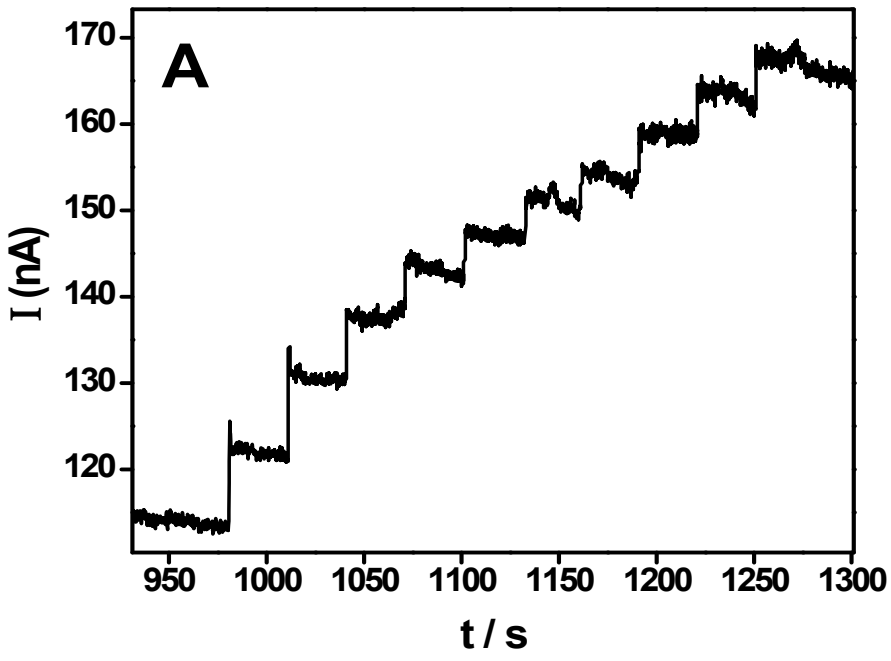


Fig. S4. Cyclic voltammograms recorded for GC/PADA–Au_{25}/Ag_{75} (a), GC/PADA–Au_{50}/Ag_{50} (b) and GC/PADA–Au_{75}/Ag_{25} (c) NCs modified electrodes in 0.1 M PBS at a scan rate of 50 mV/s.



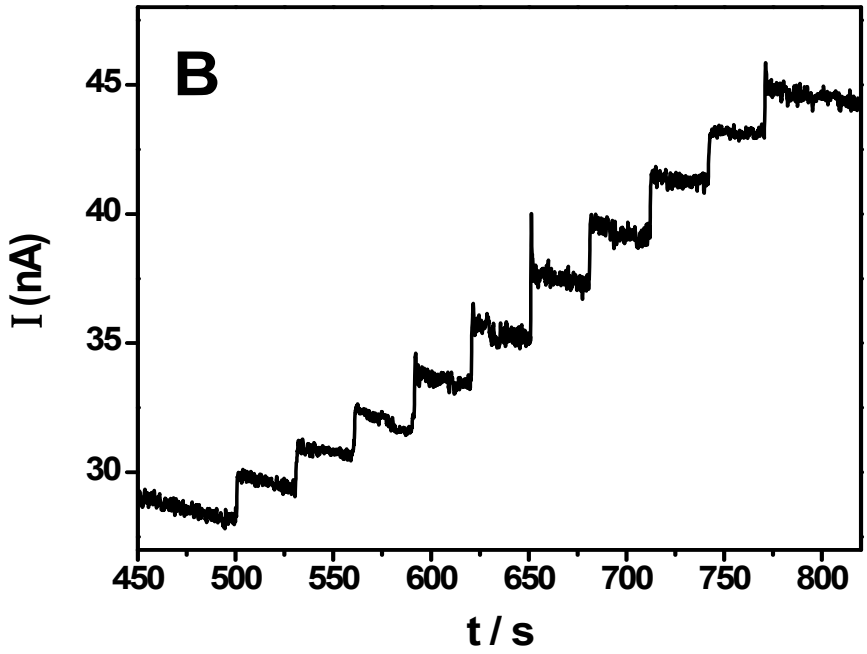


Fig. S5. Amperometric *i–t* curve obtained at GC/PADA–Ag (A) and GC/PADA–Au (B) NPs modified electrode during the successive addition of 10 nM NO to a stirred solution of 0.1 M PBS (pH 7.2) at an applied potential of 0.9 V.

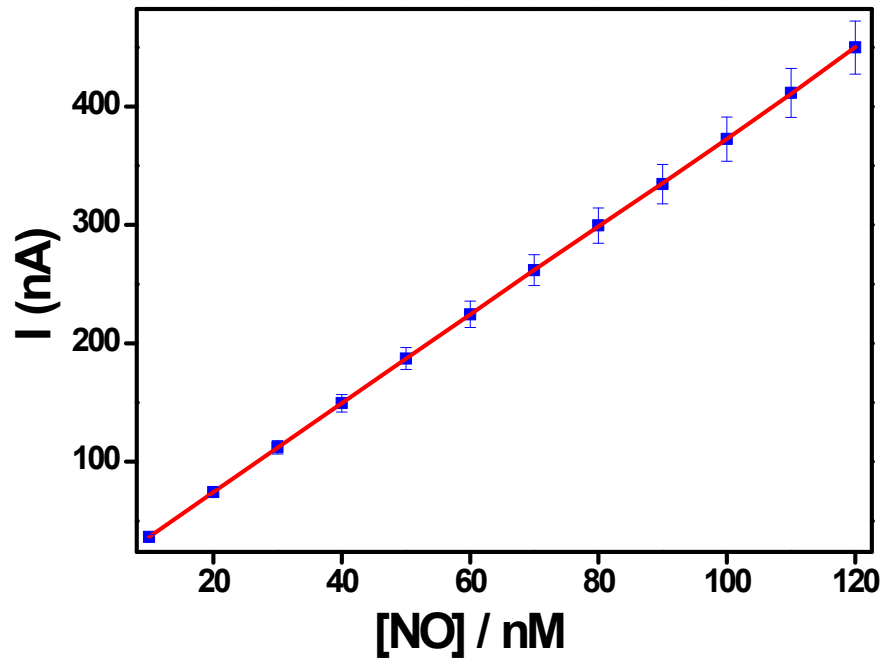


Fig. S6. Calibration plot of current versus NO concentration obtained for GC/PADA–Au_{25}/Ag_{75} NCs modified electrode.