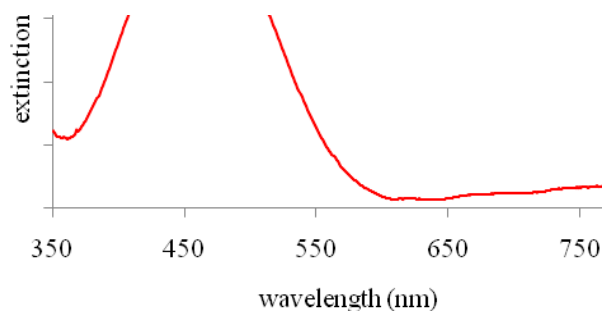
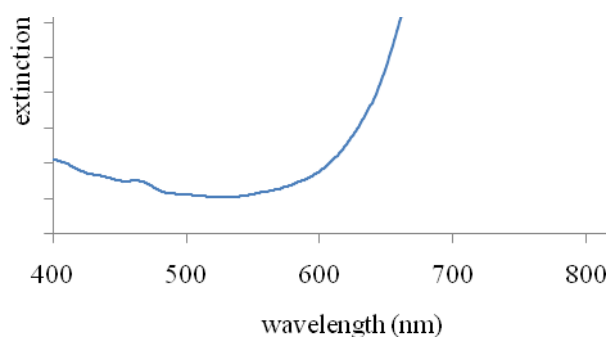


SERRS Coded Nanoparticles for Biomolecular Labelling with Wavelength-Tunable Discrimination

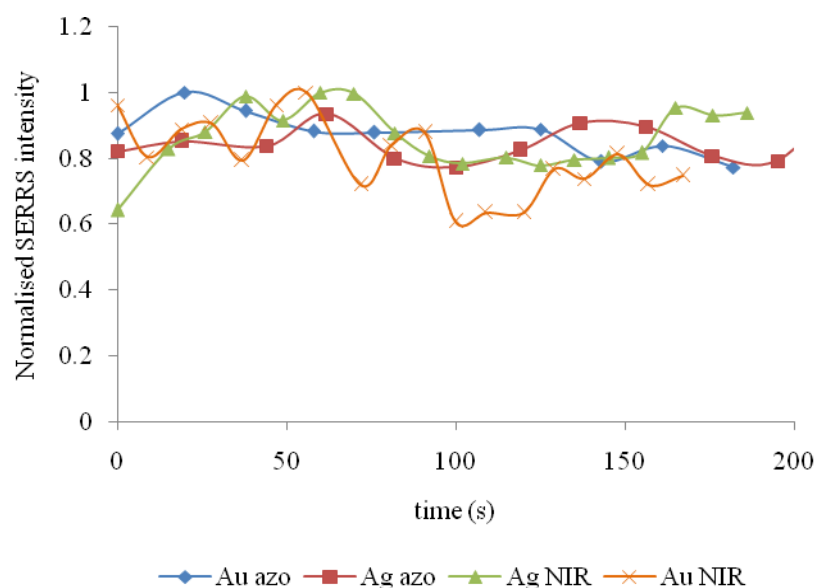
Fiona McKenzie, Andrew Ingram, Robert J. Stokes, Duncan Graham



UV-visible spectrum of the azo linker in water. The molar extinction coefficient is $5,180 \text{ M}^{-1} \text{ cm}^{-1}$



UV-visible spectrum of near-IR linker in water. The molar extinction coefficient is $49,000 \text{ M}^{-1} \text{ cm}^{-1}$.



SERS intensity over 3 minutes continuous laser irradiation for linker-functionalised gold (azo: blue diamond, NIR: orange cross) and silver nanoparticles (azo: red square, NIR: green triangle).