

Electronic Supplementary Information

Manuscript Title: Surface-enhanced Raman spectroscopy studies of yellow organic dyestuffs and lake pigments in oil paint

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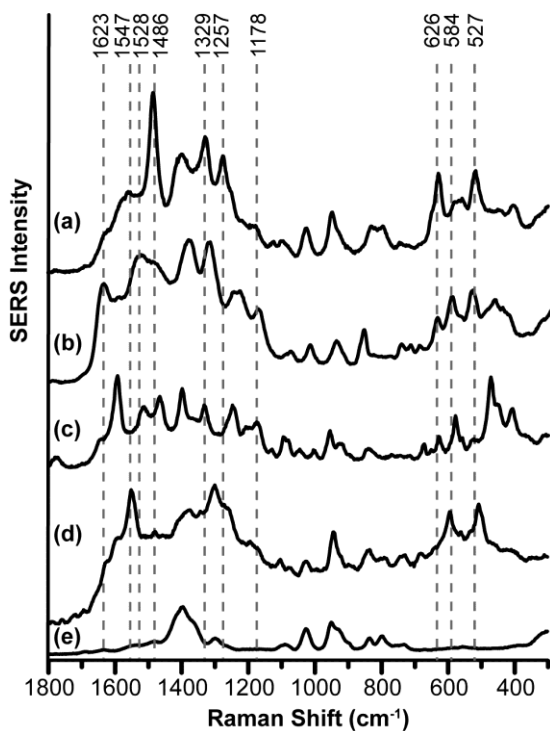


Fig. 1S

SERS spectra of untreated (a) old fustic bound in linseed oil, (b) morin, (c) kaempferol, (d) maclurin and (e) blank silver colloids, obtained at 632.8 nm with $P_{exc} = 30 \mu\text{W}$ and $t_{aq} = 30 \text{ s}$. Labelled peaks are consistent with old fustic. The SERS bands for kaempferol are in close proximity to those for its structural analog, quercetin (Figure 4). Major peaks for maclurin are observed at 1555 cm^{-1} , 1302 cm^{-1} , 594 cm^{-1} , and 506 cm^{-1} .