

Improving the surface-enhanced Raman scattering performance of silver nanodendritic substrates with sprayed-on graphene-based coatings

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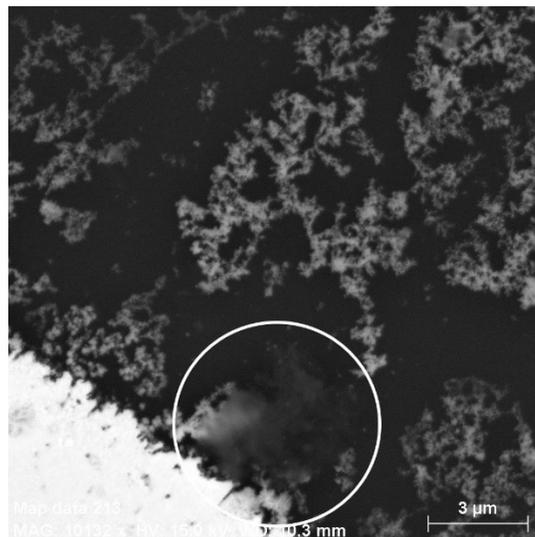


Figure S1. SEM image used in the acquisition of the EDX spectrum shown in Fig. 5d. The circle indicates the location of the GNP(s).

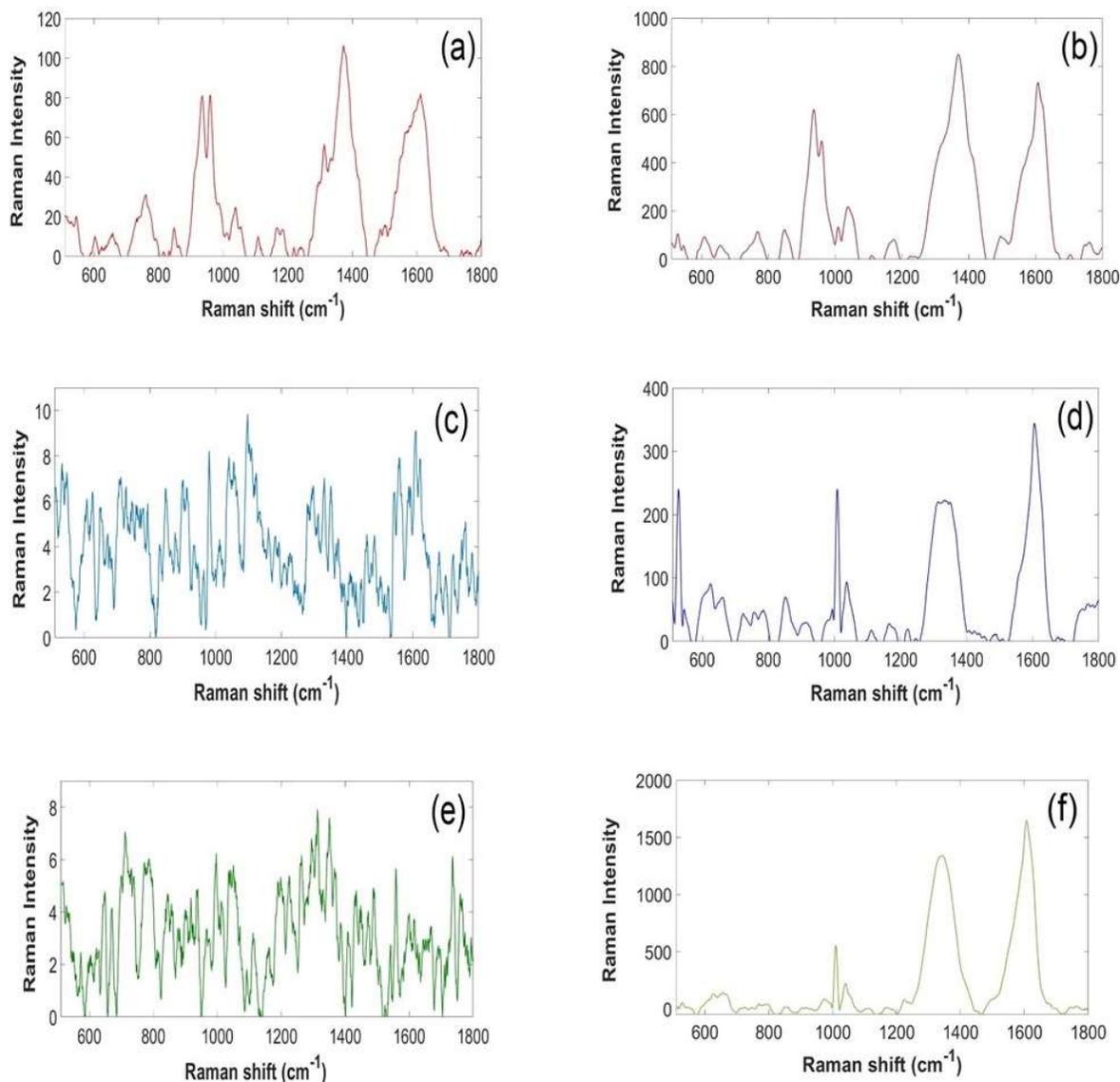


Figure S2: Raman spectra of graphene-coatings: (a and b) GO (N=25) on a flat substrate and Ag dendrites, respectively; (c and d) rGO (N=5) on a flat substrate and Ag dendrites, respectively; (e, f) GNP (N=1) on a flat substrate and Ag dendrites, respectively. A Au-coated (CVD) polished Si wafer was used as flat substrate.

Table S1: Standard deviations and relative standard deviations (%) for the data displayed in Figure 7.

Spray Nozzle passes (N)	Standard Deviation (Relative Standard Deviation, %)		
	GO	rGO	GNP
1	0.11 (18%)	0.21 (22%)	0.45 (25%)
5	0.75(55%)	0.53 (21%)	0.50 (52%)
10	0.54 (48%)	1.07 (69%)	0.54 (55%)
15	0.61 (50%)	0.85 (48%)	0.10 (20%)
20	0.44 (21%)	0.46 (27%)	0.06 (14%)
25	0.64 (27%)	0.20 (22%)	0.23 (33%)