

Gold nanoparticles synthesis by atmospheric plasma torch method

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Supplementary file

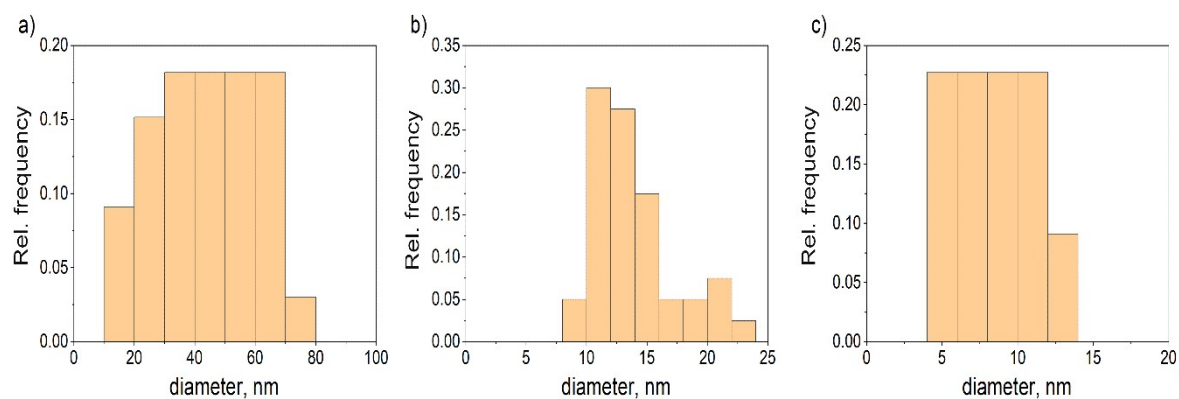


Fig. S1 Histograms of Au deposit (center) after 10 mins of plasma deposition using: a) 25 g/l, b) 0.25 g/l, and c) 0.025 g/l precursor,

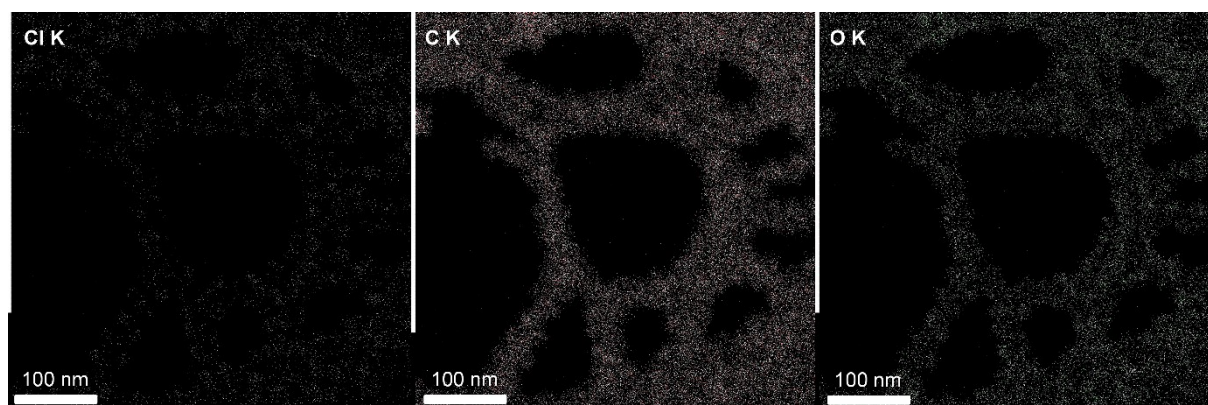


Fig. S2 Chemical elemental mappings of Cl, C and O obtained in STEM mode performed on a 10-min deposition with applying plasma sample

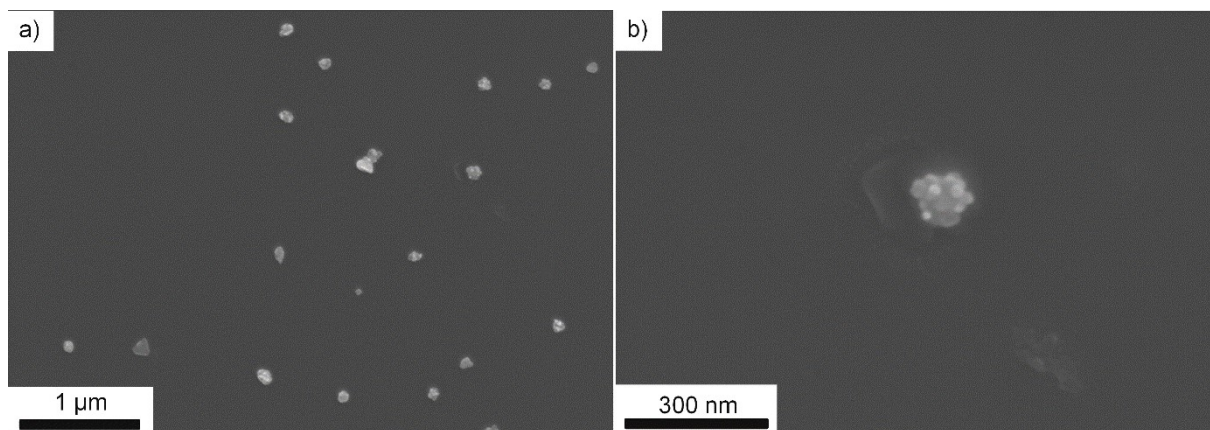


Fig. S3 SEM micrographs of a deposit obtained after 1 h of deposition without applying plasma

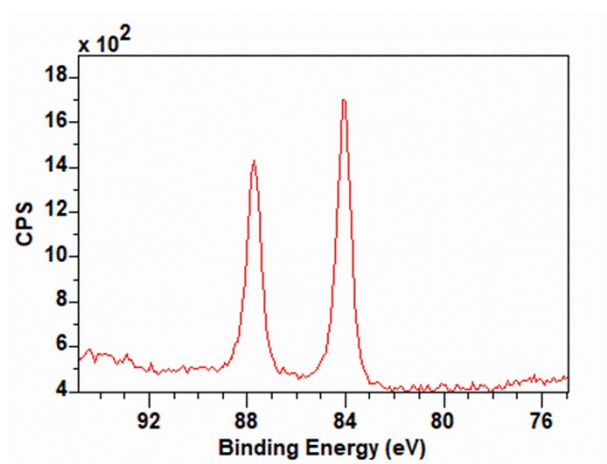


Fig. S4 High resolution XPS spectra of Au 4f envelope of the deposit obtained after 1 h of deposition using H₂O as a solvent for gold precursor, with applying plasma during deposition

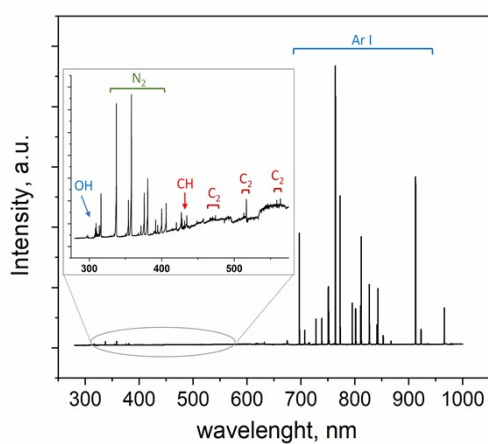


Fig. S5 OES spectrum of plasma discharge (Ar, 20 slm) with the droplets of 0.25 g/l Au precursor dissolved in ethanol

