

ELECTRONIC SUPPLEMENTARY INFORMATION

**Morphological Changes of Gold Nanoparticles Due to Adsorption onto Silicon Substrate
and Oxygen Plasma Treatment**

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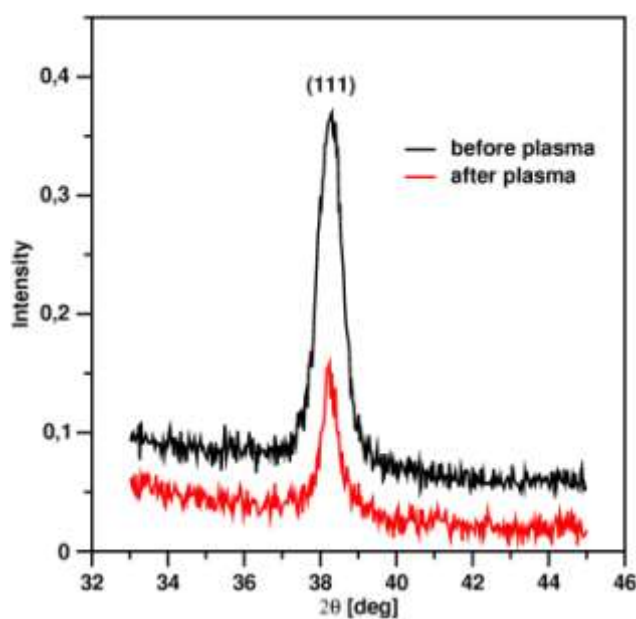


Fig. ESI-1 XRD spectra of the AuNPs recorded before and after the plasma treatment. Both patterns display Au(111) reflection peaks.

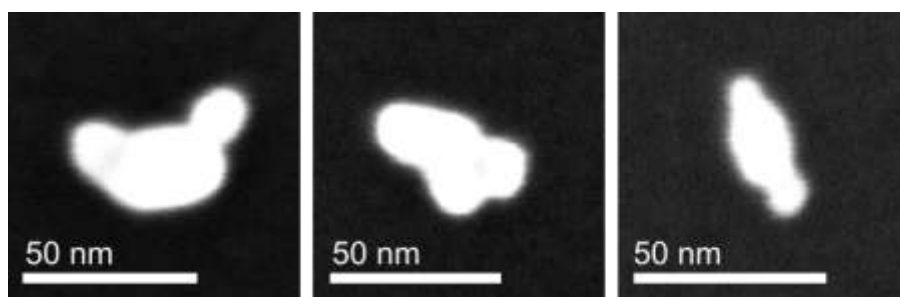


Fig. ESI-2 SEM images of the partially fused AuNPs present on the low-coated surface.