

Growth of dendritic nanostructures by liquid-cell transmission electron microscopy: a reflection of the electron-irradiation history

Nabeel Ahmad,¹ Yann Le Bouar,² Christian Ricolleau,¹ and Damien Alloyeau^{1}*

(1) Laboratoire Matériaux et Phénomènes Quantiques, UMR7057 CNRS/Université Paris Diderot, Paris France.

(2) Laboratoire d'Etude des Microstructures, ONERA/CNRS, B.P. 72, 92322 Châtillon, France

* corresponding author

Supplementary materials

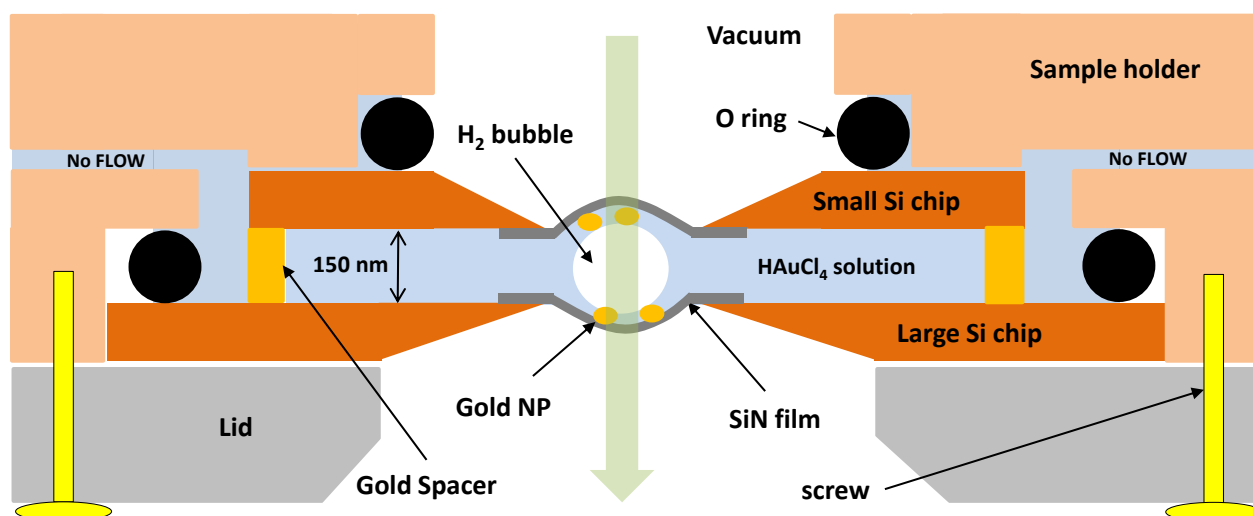


Figure S1: Schematic cross section of the sealed liquid cell in the JEOL ARM microscope under high dose rate.

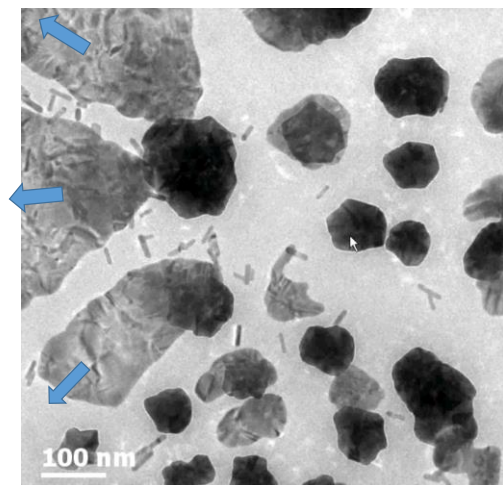


Figure S2: Anisotropic nanostructures formed after 2 mins observation in pristine area. Blue arrows highlight the different growth directions of the NP due to the screening effect. Image extracted from the same video file than figure 1b.