

# Supporting Information

for

## **Structure and mechanism of formation of core–shell nanoparticles obtained through one-step gas-phase synthesis by electron beam evaporation**

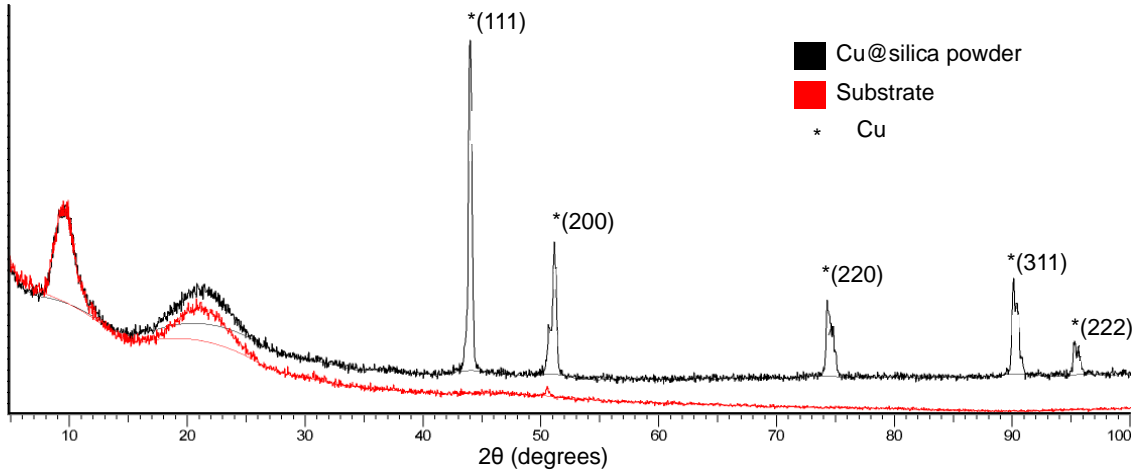
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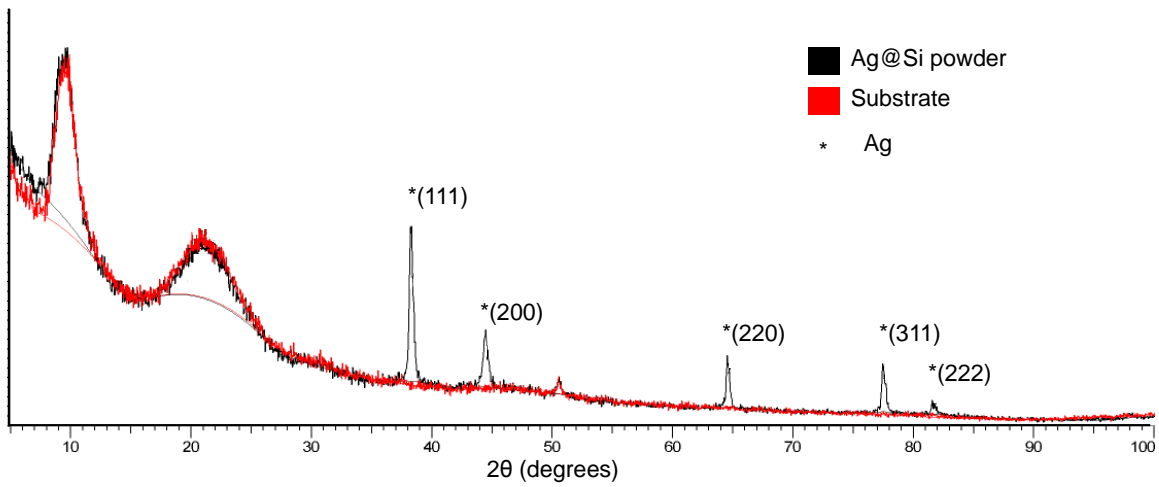
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## XRD analysis



**Figure S1:** XRD of the obtained Cu@silica powders (Bruker D2 Phaser, Cu  $K_{\alpha}$   $\lambda = 1.5218 \text{ \AA}$ ).



**Figure S2:** XRD of the obtained Ag@Si powders (Bruker D2 Phaser, Cu  $K_{\alpha}$   $\lambda = 1.5218 \text{ \AA}$ ).