



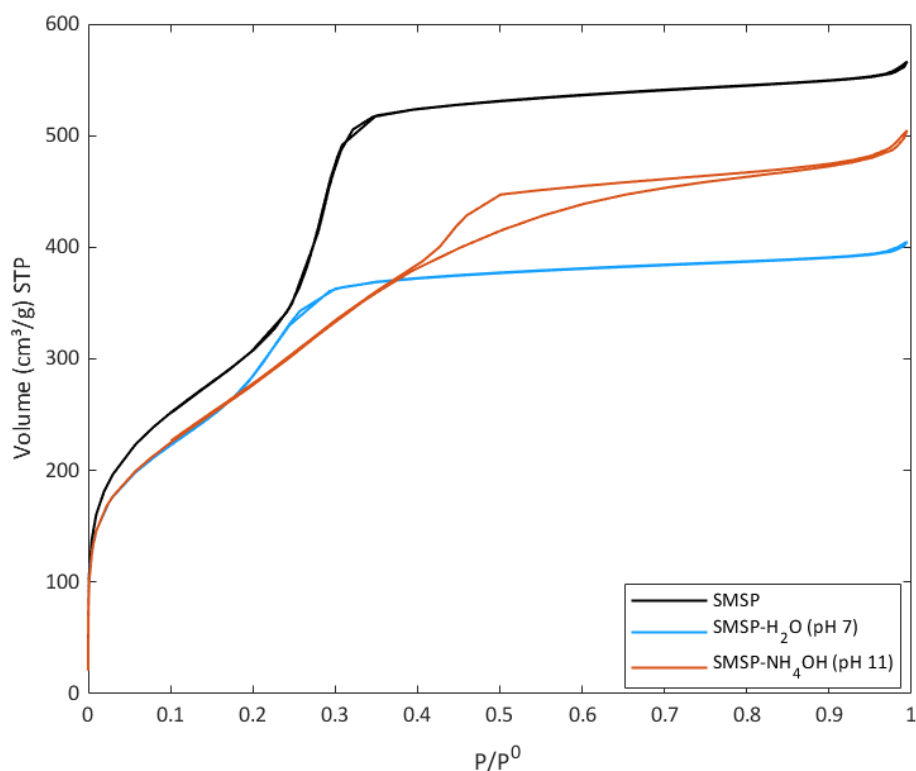
Supplementary Material

# The Role of the pH in the Impregnation of Spherical Mesoporous Silica Particles with L-Arginine Aqueous Solutions

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**Figure S1.** Nitrogen adsorption-desorption isotherms of SMSP, SMSP-H<sub>2</sub>O and SMSP-NH<sub>4</sub>OH.

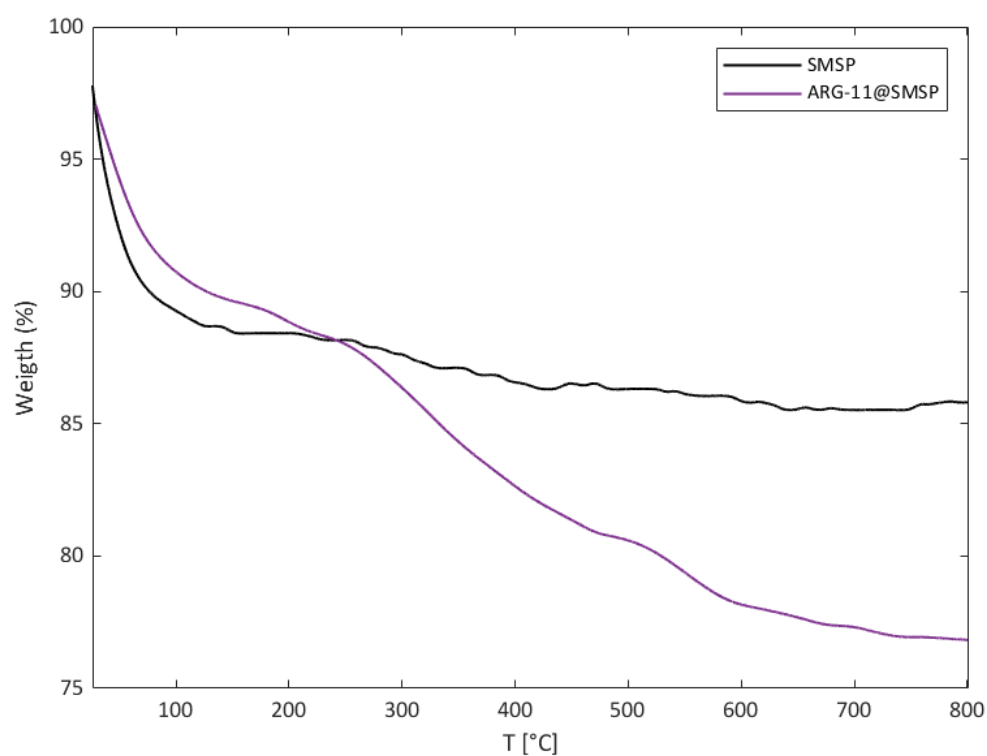


Figure S2. TGA curves of SMSP and ARG-11@SMSP (in air flow, heating rate 10 °C/min).

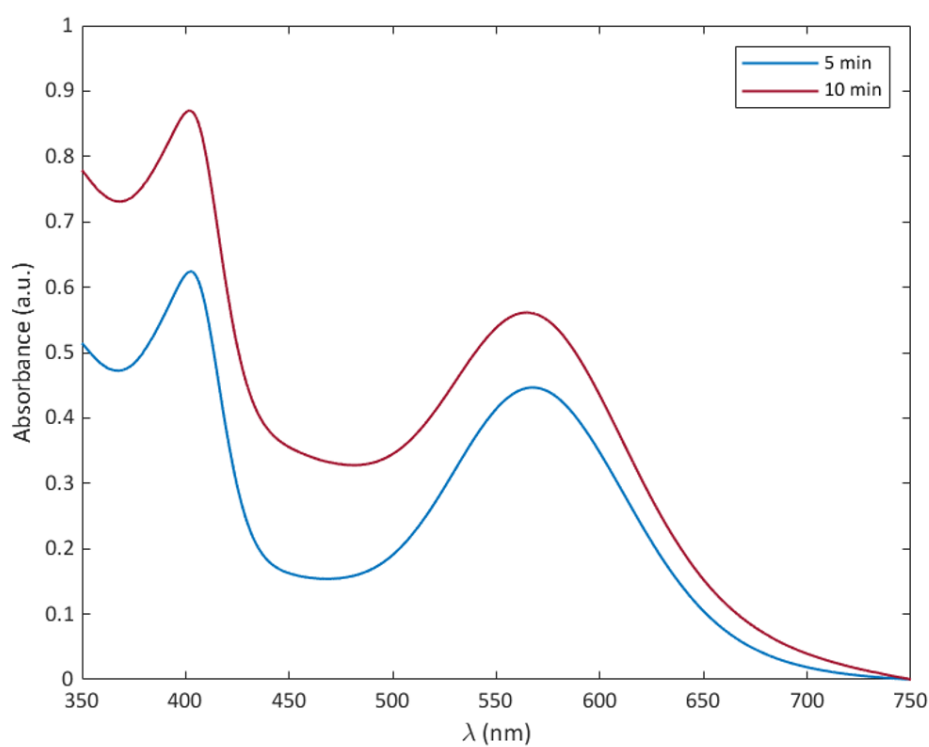
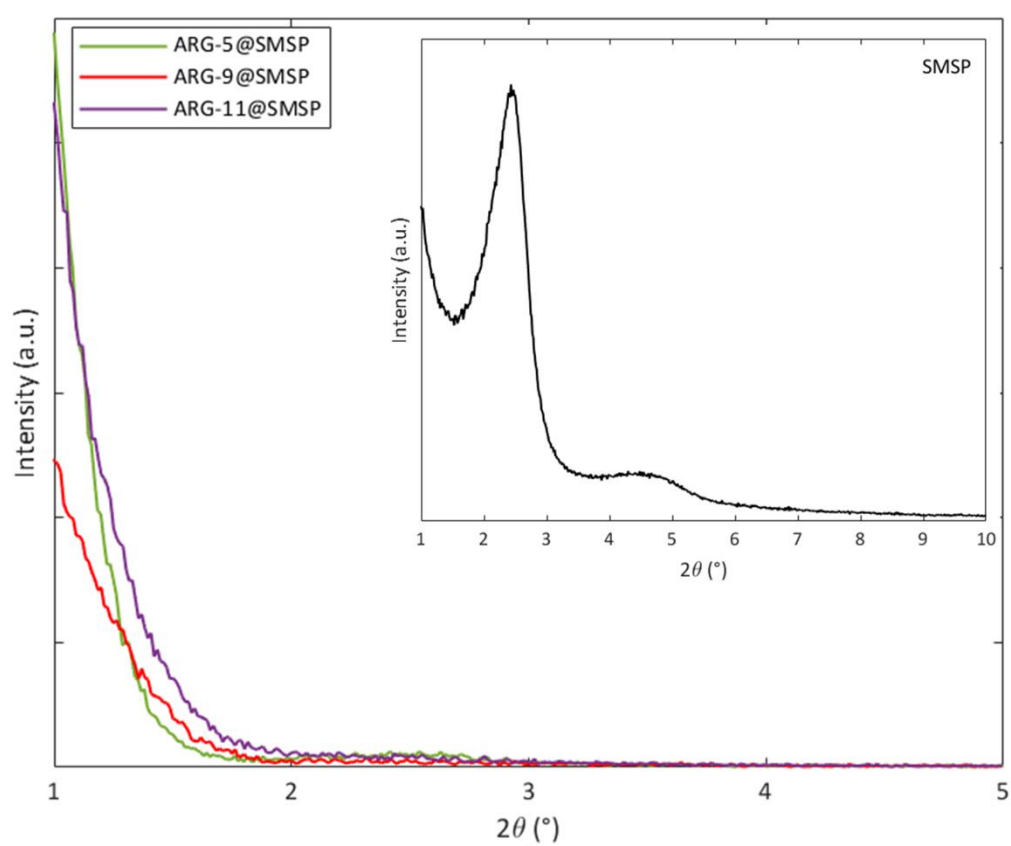


Figure S3. UV-VIS spectra of ARG solutions obtained after 5 and 10 minutes of soaking ARG-5@SMSP in water.



**Figure S4.** Low angle XRD patterns of SMSP (inset), ARG-5@SMSP, ARG-9@SMSP and ARG-11@SMSP.