

Supporting information

Nanomaterials as a Service (*NaaS*) concept: on-demand protocols for volume synthesis of nanomaterials

Stylianos Kioumourtzoglou,^{1*} Sebastian Hof,¹ Cécile Kalk,¹ Viktor Toth,² Mikaela Görliin,³
Jaroslava Nováková,⁴ and Jacinto Sá^{1,5*}

¹ Department of Chemistry-Ångström, Physical-Chemistry division, Uppsala University, Lägerhyddsvägen 1, 751 20 Uppsala, Sweden.

² Toptal, LLC, 2810 N. Church St #36879, Wilmington, DE 19802-4447, USA.

³ Department of Chemistry-Ångström, Structural Chemistry division, Uppsala University, Lägerhyddsvägen 1, 751 20 Uppsala, Sweden.

⁴ Department of Surface and Plasma Science, Charles University, V holesovickach 2, Prague 8, 18000, Czech Republic

⁵ Institute of Physical Chemistry, Polish Academy of Sciences, Marcina Kasprzaka 44/52, 01-224 Warsaw, Poland.

* stylianos.kioumourtzoglou@kemi.uu.se; jacinto.sa@kemi.uu.se

Additional data

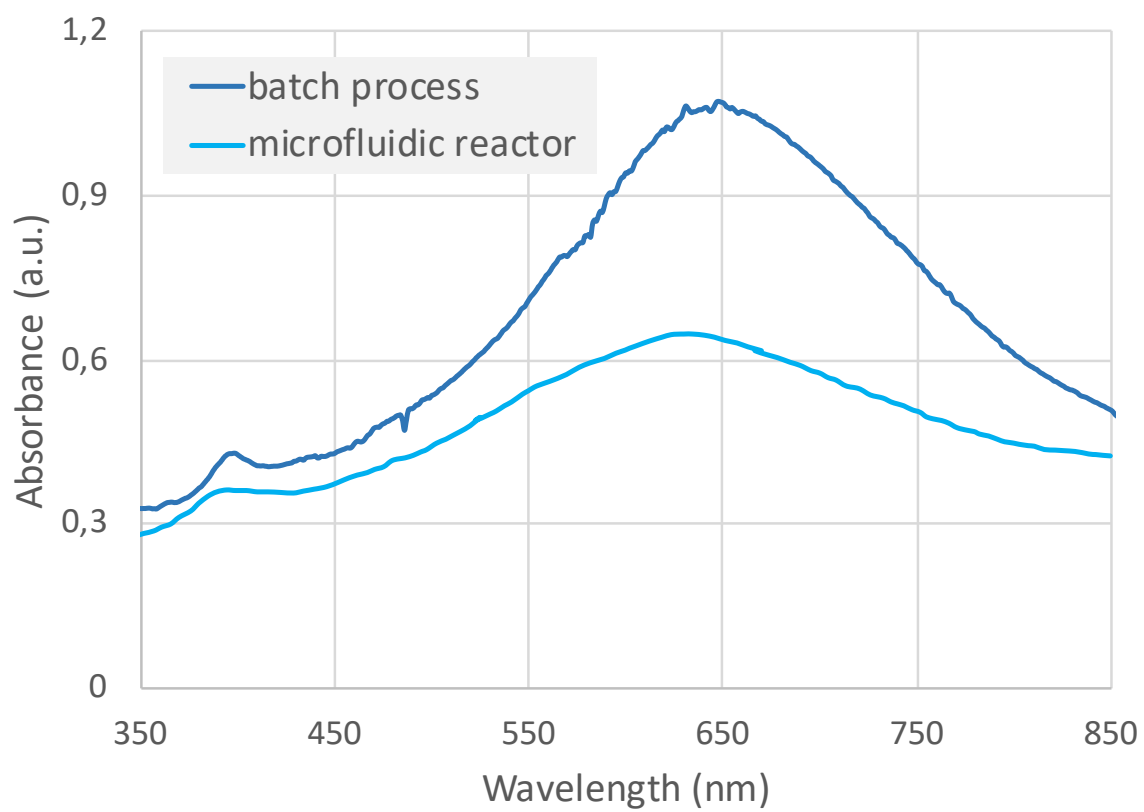


Figure S1: UV-Vis spectra comparing the of Ag nanoplates produced using batch method and optimized protocol in the microfluidic reactor.

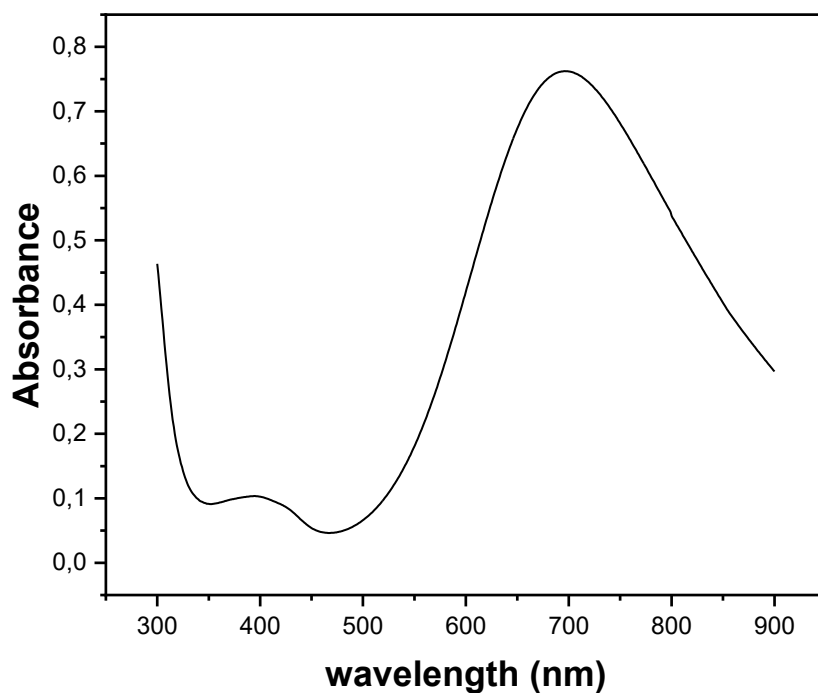


Figure S2: UV-Vis spectrum of Prussian blue nanoparticles produced with optimized protocol.

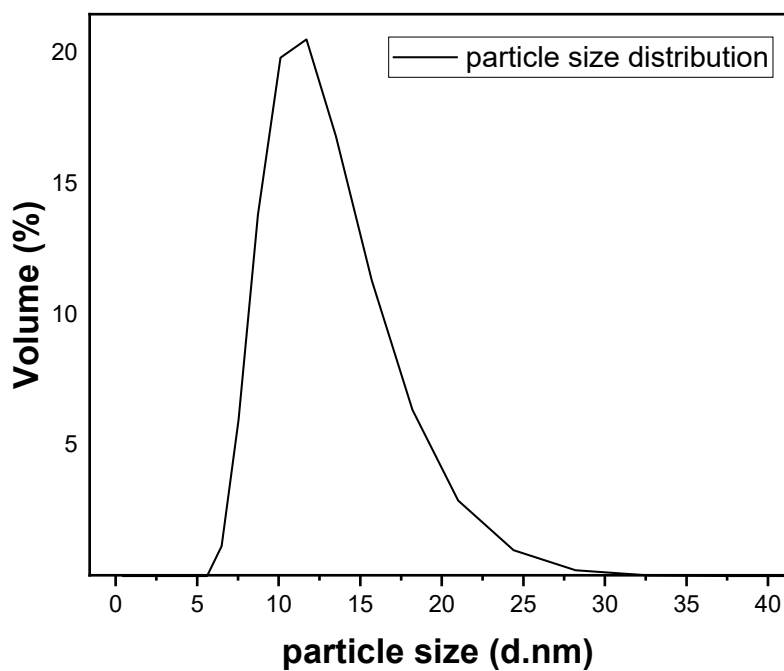


Figure S3: DLS of Prussian blue nanoparticles produced with optimized protocol in the microfluidic reactor.

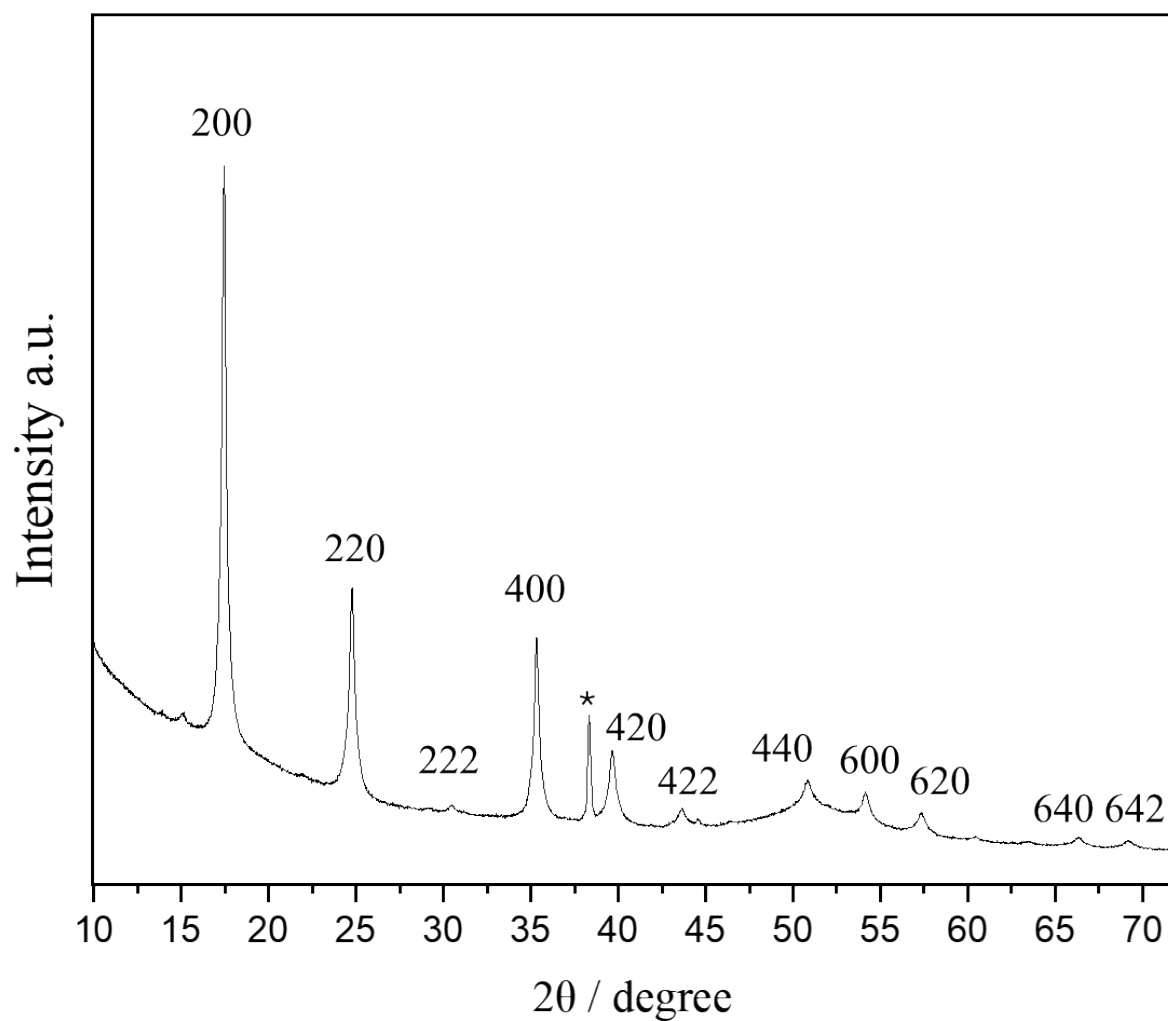


Figure S4: XRD of the Prussian blue nanoparticles produced with optimized protocol in the microfluidic reactor.

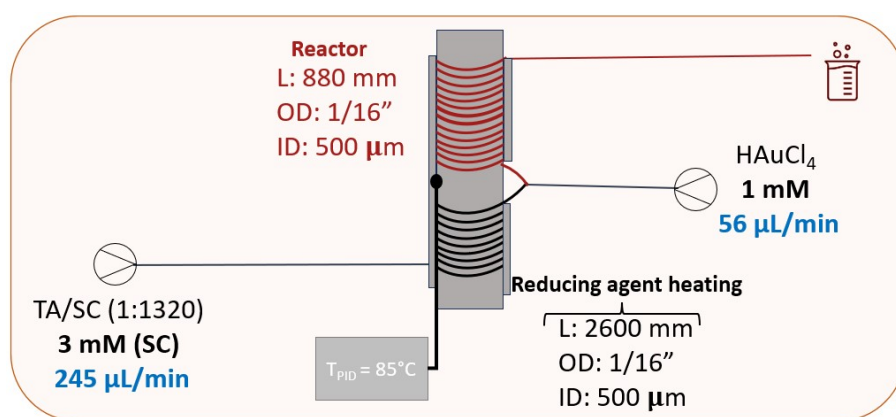


Figure S5: Schematic depiction of the microfluidic reactor including heating device for the Au NPs synthesis.

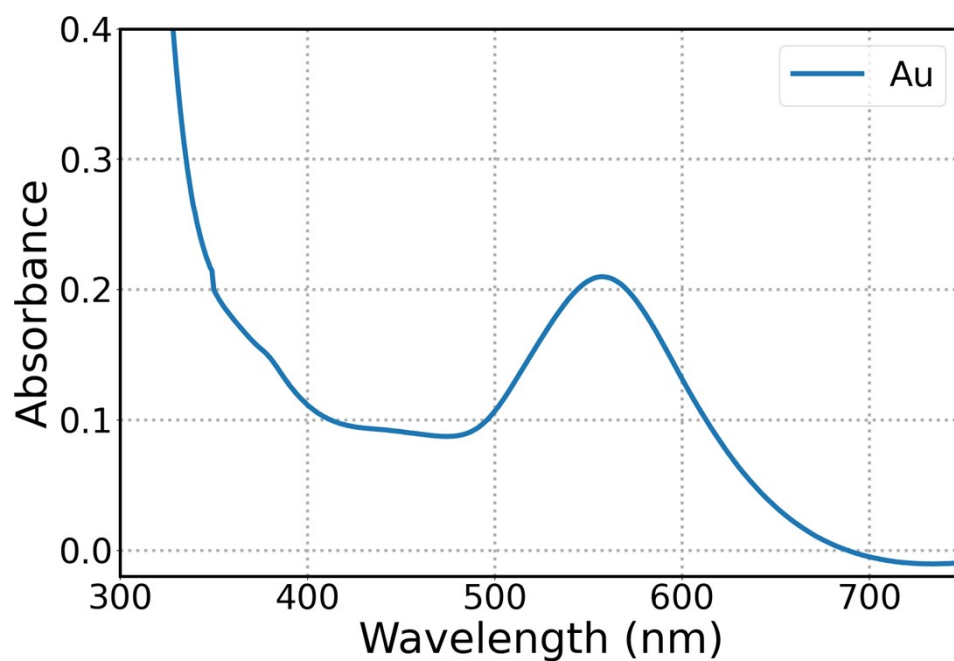


Figure S6: UV-Vis of Au nanoparticles optimized protocol in the microfluidic reactor.

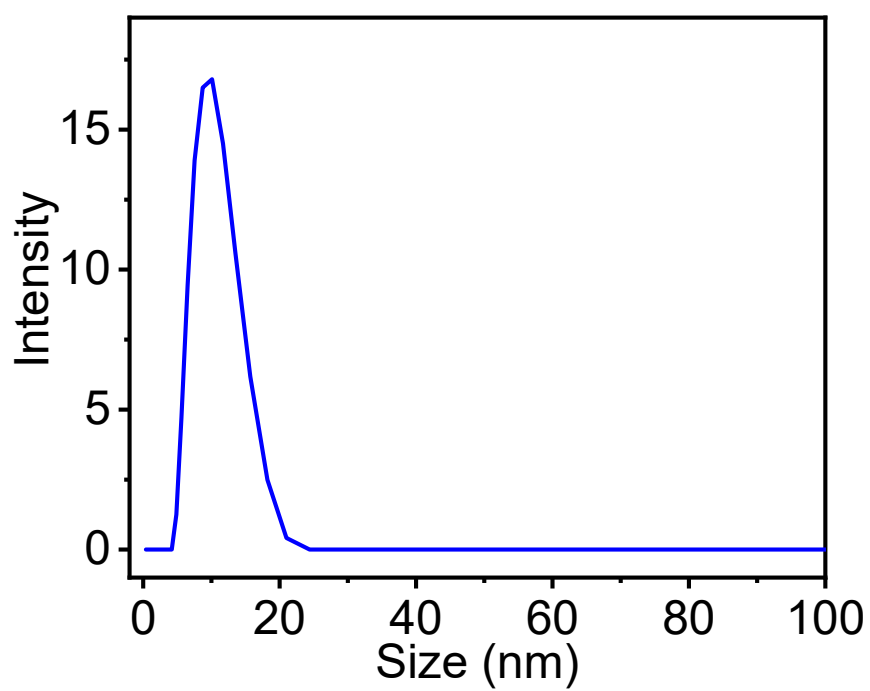


Figure S7: DLS of Au nanoparticles optimized protocol in the microfluidic reactor.