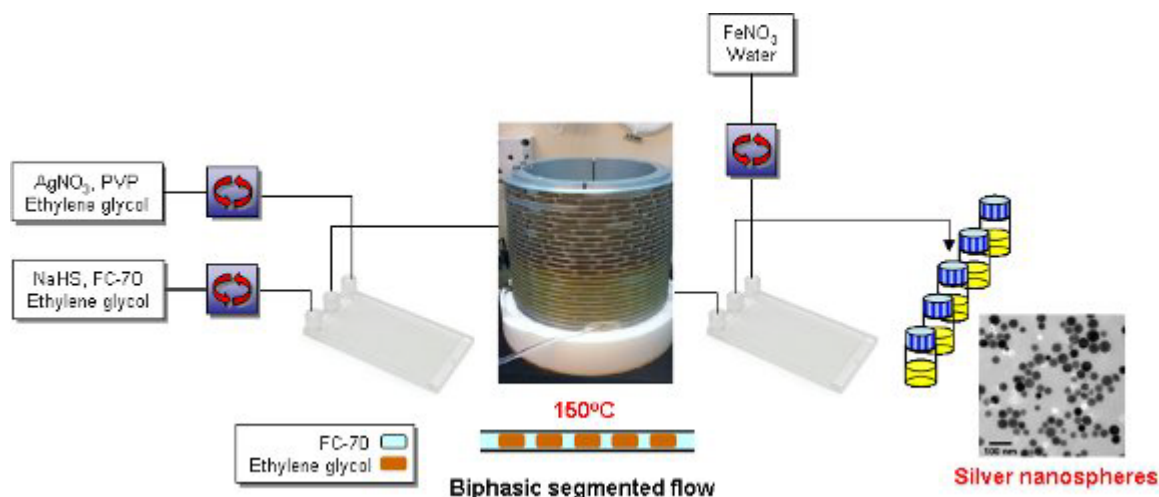


Publication 31: Rapid Continuous Flow Synthesis of Silver Nanocubes and Nanospheres



A scalable continuous process for the synthesis of high-quality plasmonic single crystal nanocubes (AgNCs) and nanospheres (AgNSs) under biphasic segmented flow-through conditions has been developed.

Nanocubes could be produced with a controllable edge length in the range 20 to 48 nm by varying the synthesis conditions.

The nanospheres were produced by continuous in-line etching of the nanocubes using ferric nitrate.

[H. Mehenni, L. Sinatra, R. Mahfouz, K. Katsiev, O. M. Bakr, RSC Adv., 2013, DOI: 10.1039/C3RA43295E.](#)