Electronic Supplementary Information

Size-Controlled Synthesis of Silver Micro/Nanowires as Enabled by HCl Oxidative Etching

Caio C. S. de Oliveira, Rômulo A. Ando and Pedro H. C. Camargo*

Departamento de Química Fundamental, Instituto de Química, Universidade de São Paulo Av. Prof. Lineu Prestes, 748, 05508-000, São Paulo-SP, Brazil *Corresponding author. E-mail: camargo@iq.usp.br



Figure S1. Histograms of width for Ag NWs as a function of the concentration of HCl employed in the standard polyol synthesis.



Figure S2. Histograms of width for Ag NWs as a function of the concentration of AgNO₃ employed in the standard polyol synthesis.



Figure S3. Histograms of width for Ag NWs as a function of the concentration of PVP employed in the standard polyol synthesis.



Figure S4. Histograms of width for Ag NWs as a function of the temperature employed in the standard polyol synthesis.



Figure S5. SEM images of the samples obtained with a combination of 53.6 μ M HCl with varied amounts of CF₃COOH while all the other parameters were kept unchanged: (A) 0.03 mM; (B) 0.05 mM; and (C) 0.1 mM. Upon the addition of CF₃COOH in the reaction, the formation of Ag NWs was not observed under our experimental conditions.