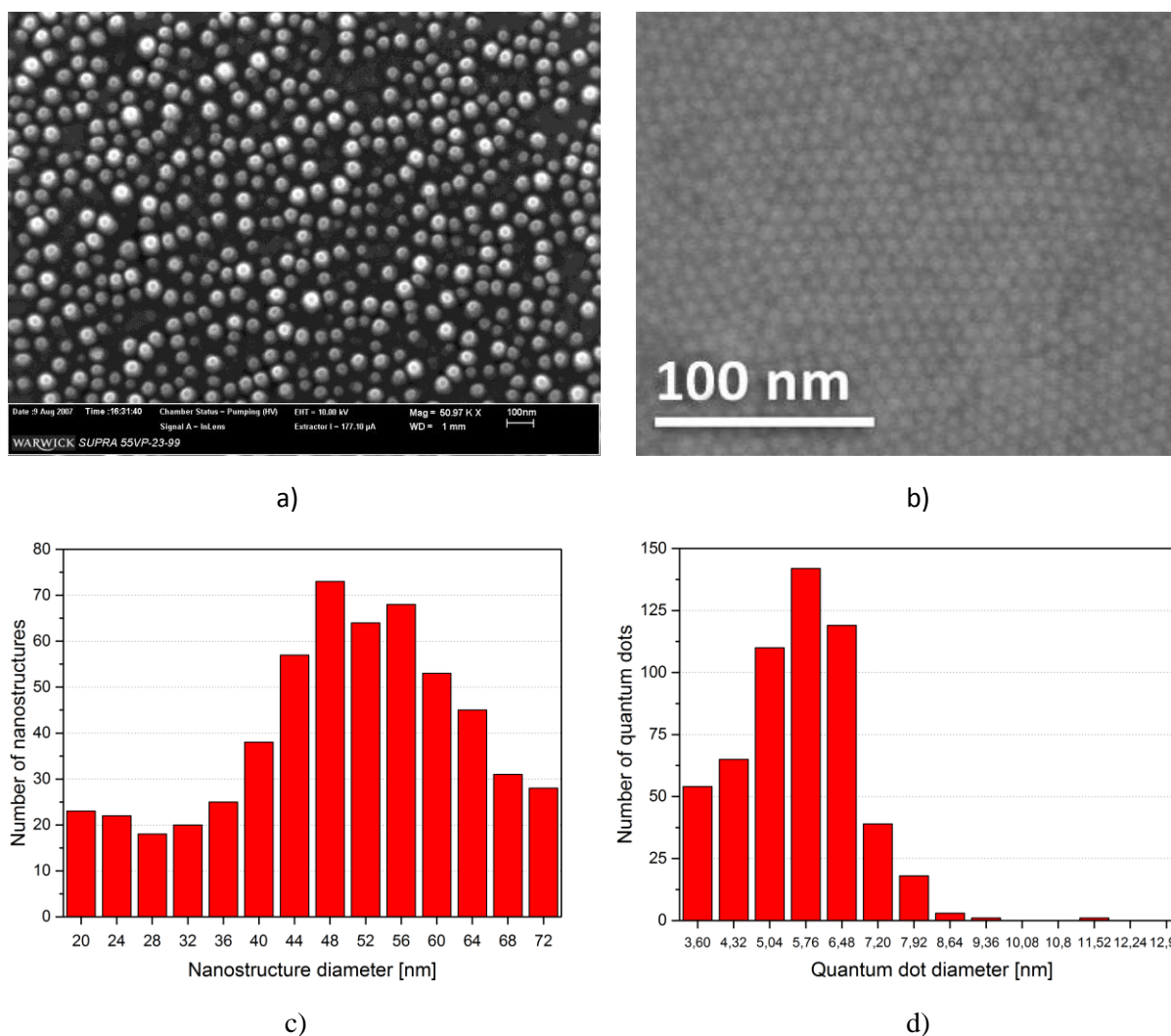


Supplementary information



Supplementary figure 1. Analyzed SEM images and their respectful histograms representing software analysis of the size distribution. a) SEM image of nanostructures of ion etched InP, where 1 px = 2 nm b) Deliberate low-quality image of self-assembled gold nanoparticles¹, where 1 px = 0.36 nm c) Size distribution of InP nanostructures. d) Size distribution of self-assembled gold nanoparticles.

Supplementary table 1. Results achieved during verification process of supplementary figures 1a and 1b

	Subject 1	Subject 2	Developed program
Counted InP nanostructures (Supplementary Figure 1a)	543	546	565
Counted gold nanoparticles (Supplementary Figure 1b)	551	564	552

[1]. M. Abulikemu, E. H. Da'as, H. Haverinen, D. Cha, M. A. Malik, G.E. Jabbour, Inside Back Cover: In Situ Synthesis of Self-Assembled Gold Nanoparticles on Glass or Silicon Substrates through Reactive Inkjet Printing, *Angewandte Chemie International Edition*, 53(2), 1521-3773.