

Supporting information

Impact of polymer nanoparticles on DPPC monolayer properties

Alexey Bykov ^{1,*}, Olga Milyaeva ¹, Alexander Akentiev ¹, Maria Panaeva ¹, Nikolaj Isakov ¹, Reinhard Miller ² and Boris Noskov ¹

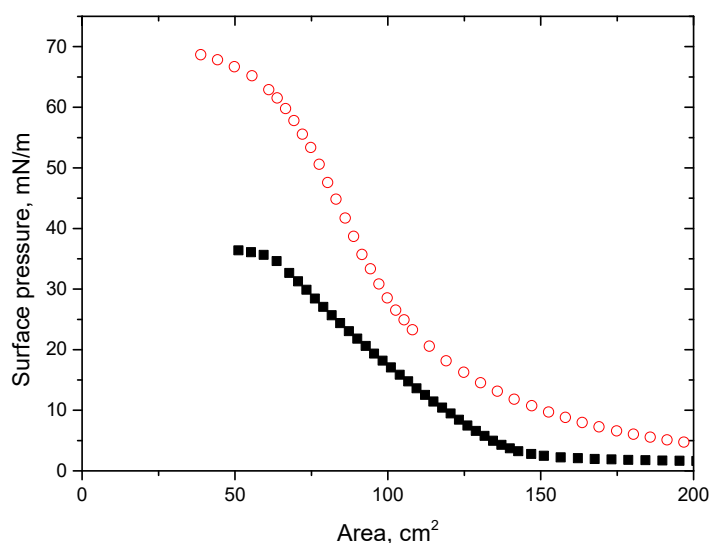


Figure S1. Compression isotherms of PSA nanoparticles at the surface of 0.01 M (black circles) and 0.1 M (red squares) NaCl solutions.

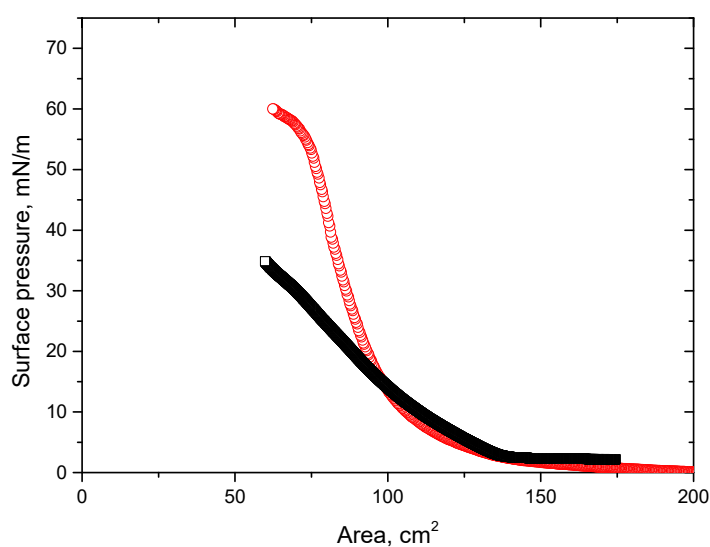


Figure S2. Compression isotherms of PSC nanoparticles at the surface of 0.01 M (black circles) and 0.1 M (red squares) NaCl solutions.

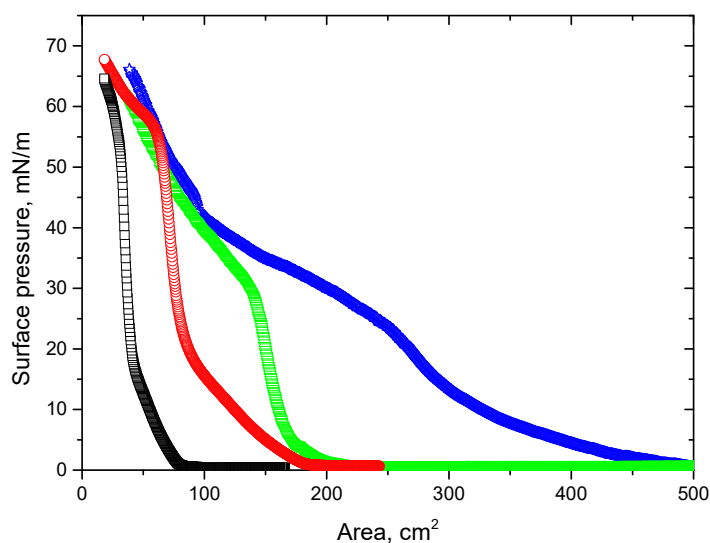


Figure S3. Compression isotherms for PSC nanoparticles on the surface of 0.1M NaCl solution when 200 μL (green triangles) and 400 μL (blue asterisks) of the dispersion were spread at the air-water interface. Compression isotherms for PSA microparticles (with diameter 1 μm) on the surface of 0.01M NaCl solution when 200 μL (black squares) and 400 μL (red circles) of the dispersion were spread at the air-water interface. Data for PSA microparticles are taken from ref. [35]. Data have been discussed in this reference.

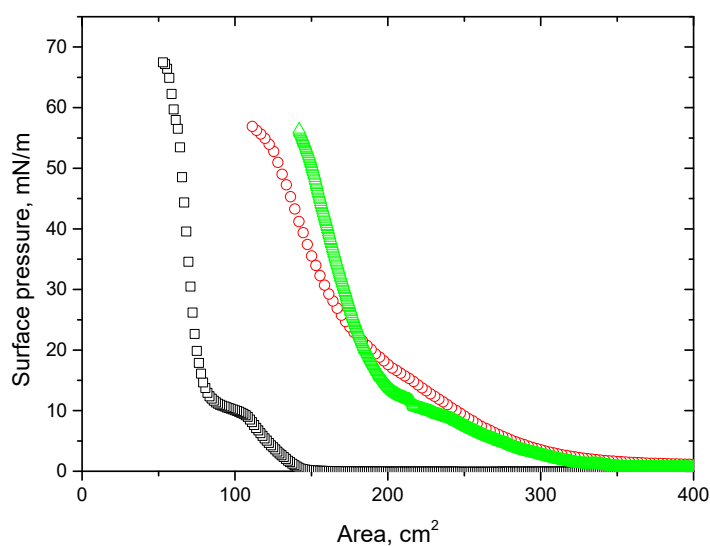


Figure S4. Compression isotherms for pure DPPC (open black squares), DPPC/PSA (red circles) and DPPC/PSC (green triangles) monolayers at the surface 0.1M NaCl. The approximate ratio of DPPC to nanoparticles surface coverage is 1:1.