Supplementary information

Characterization of black carbon and silica nanoparticles interactions with human plasma proteins

Si-si Chen, ^a Hong-juan Chen, ^b Xue-wen Guo, ^a Wei-juan Zheng ^b and Hong-zhen Lian *a,

^a State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry & Chemical Engineering and Center of Materials Analysis, Nanjing University, Nanjing 210023, China

^b State Key Laboratory of Pharmaceutical Biotechnology, School of Life Science, Nanjing University, Nanjing 210023, China

*Corresponding authors. State Key Laboratory of Analytical Chemistry for Life Science, School of Chemistry & Chemical Engineering and Center of Materials Analysis, Nanjing University, 163 Xianlin Avenue, Nanjing 210023, China. E-mail: hzlian@nju.edu.cn (H. Z. Lian).

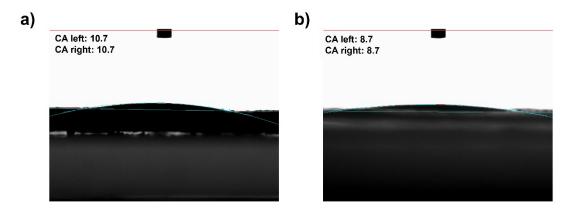


Fig. S1. Contact angles of BC NPs (a) and SiO₂ NPs (b) at 1000 ms after water droplet deposition.

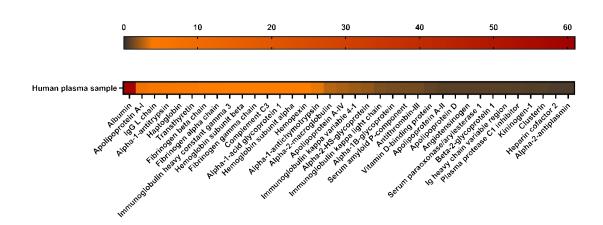


Fig. S2. Heat map of the major protein compositions of the human plasma sample.