Supplemental Materials

Protein corona-induced aggregation of differently sized nanoplastics: Impacts of protein type and concentration

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Fig.S1 TEM images (a and b) and particle size distributions (c and d) of the polystyrene nanoplastics (PSNPs) with different sizes used in this study.
Fig. S2 Aggregation kinetics of two sized polystyrene nanoplastics (PSNPs) at various NaCl, and CaCl$_2$ concentrations.
Fig. S3 Aggregation kinetics of two sized polystyrene nanoplastics (PSNPs) in the presence of 2 mg/L bovine serum albumin (BSA) as a function of NaCl, and CaCl$_2$ concentration.
Fig. S4 Electrophoretic mobility of two sized polystyrene nanoplastics (PSNPs) as a function of NaCl, and CaCl₂ concentrations in the presence of 2 mg/L bovine serum albumin (BSA).
Fig. S5 Aggregation kinetics of two sized polystyrene nanoplastics (PSNPs) in the presence of 2 mg/L bovine trypsin (TRY) concentration as a function of NaCl, and CaCl$_2$ concentration.
Fig. S6 Electrophoretic mobility of two sized polystyrene nanoplastics (PSNPs) as a function of NaCl, and CaCl$_2$ concentrations in the presence of 2 mg/L bovine trypsin (TRY).
**Fig. S7** Aggregation kinetics of two sized polystyrene nanoplastics (PSNPs) in the presence of electrolytes at a fixed concentration (100 mM NaCl, and 10 mM CaCl$_2$) as a function of bovine serum albumin (BSA) and bovine trypsin (TRY) concentration.