membranes

Supplementary Material: Block Copolymer Based Magnetic Mixed Matrix Membranes—Effect of Magnetic Field on Protein Permeation and Membrane Fouling

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Table S1. Characteristics of the membranes.

Membrane type	Pore size (nm)	Membrane active layer Thickness (μm)	Contact angle (°)	Pure water flux[1] at 0 T ($L.h^{-1}.m^{-2}$)	Pure water flux[1] at 1.15 T ($L.h^{-1}.m^{-2}$)	Flux change (%)
PISA membranes from spheres	4–28	1.5	46 ± 4	375.3	485.6	29.4
NIPS membranes containing $PMMA_{47}$-coated NPs	60–80	5.9	115 ± 3	205.9	228.3	9.8
NIPS membranes containing DMSA-coated NPs	32–400	6.3	118 ± 5	155.5	186.9	16.8

[1]The permeate fluxes were obtained at a transmembrane pressure (TMP) of 3 bar. PISA: Polymerization Induced Self-Assembly; NIPS: Non-Solvent Induced Phase Separation, PMAA: poly (methacrylic acid), NP: nanoparticle; DMSA: meso-2,3-dimercaptosuccinic acid.