

## List of Symbols

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$A$	:	Membrane area ( $\text{cm}^2$ )
$\omega A$	:	Work of adhesion ( $\text{mN.m.}^{-1}$ )
$\gamma_w$	:	Surface tension ( $\text{dyne.cm.}^{-1}$ )
$\sigma_p$	:	Geometric standard deviation
$P$	:	Transmembrane pressure (bar)
$R$	:	Rejection (%)
$J_w$	:	Water flux ( $\text{l.m.}^{-2}\text{h.}^{-1}$ )
$L$	:	Pore length ( $\mu\text{m}$ )
$R_m$	:	Membrane resistance ( $\text{Pa.m.}^{-1}\text{s.}^{-1}$ )
$\rho_p$	:	Density ( $\text{g.cm.}^{-3}$ )
$d_s$	:	PEG diameter (nm)
$a$	:	Stoke's radius (nm)
$M$	:	Molecular weight of PEG (Da)
$\theta$	:	Polymer-water contact angle ( $^\circ$ )
$\eta$	:	Viscosity of water (poise)
$\sigma$	:	Interfacial tension ( $\text{dyne.cm.}^{-1}$ )
$r_p$	:	Pore radius (cm)