

Polyelectrolyte multilayers with perfluorinated phthalocyanine selectively entrapped inside the perfluorinated nanocompartments

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Supplementary Information

1. FT-IR, ¹⁹F-NMR and EI-MS spectra of perfluorinated phthalocyanine MgPcF₆₄ are shown below in Figs S1 – S3.

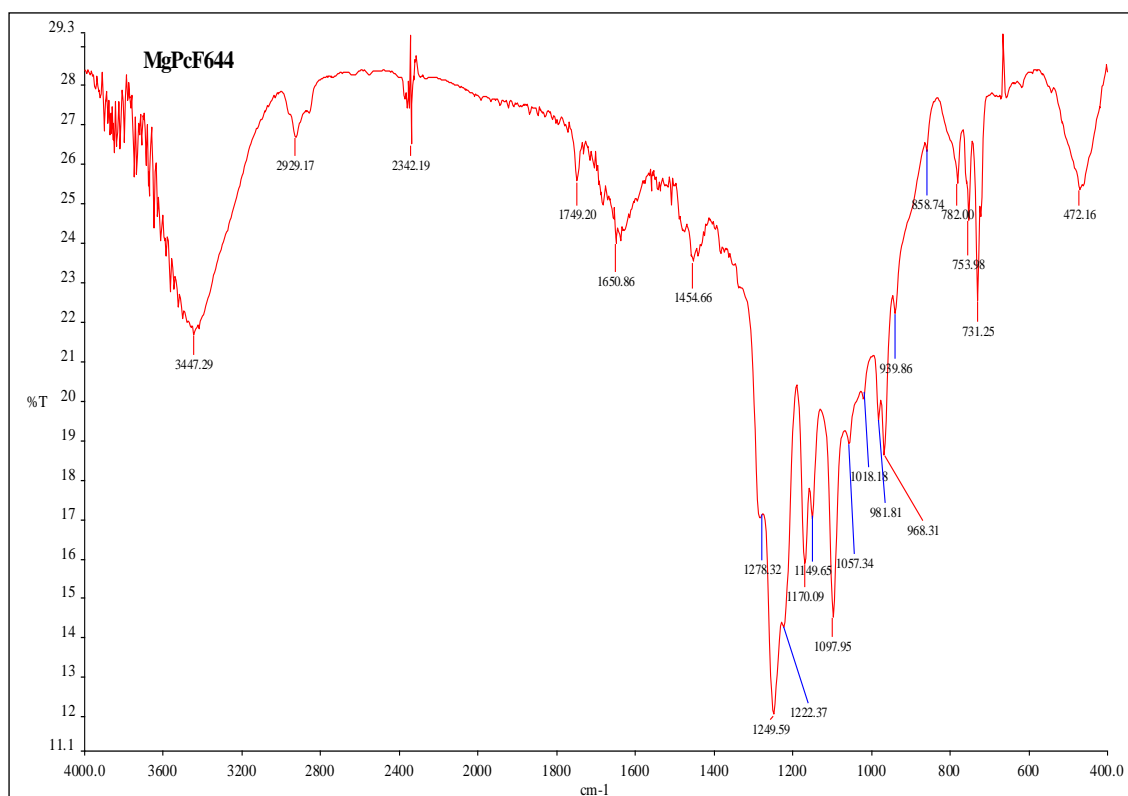


Figure S1. IR spectrum of F₆₄PcMg (KBr pellet).

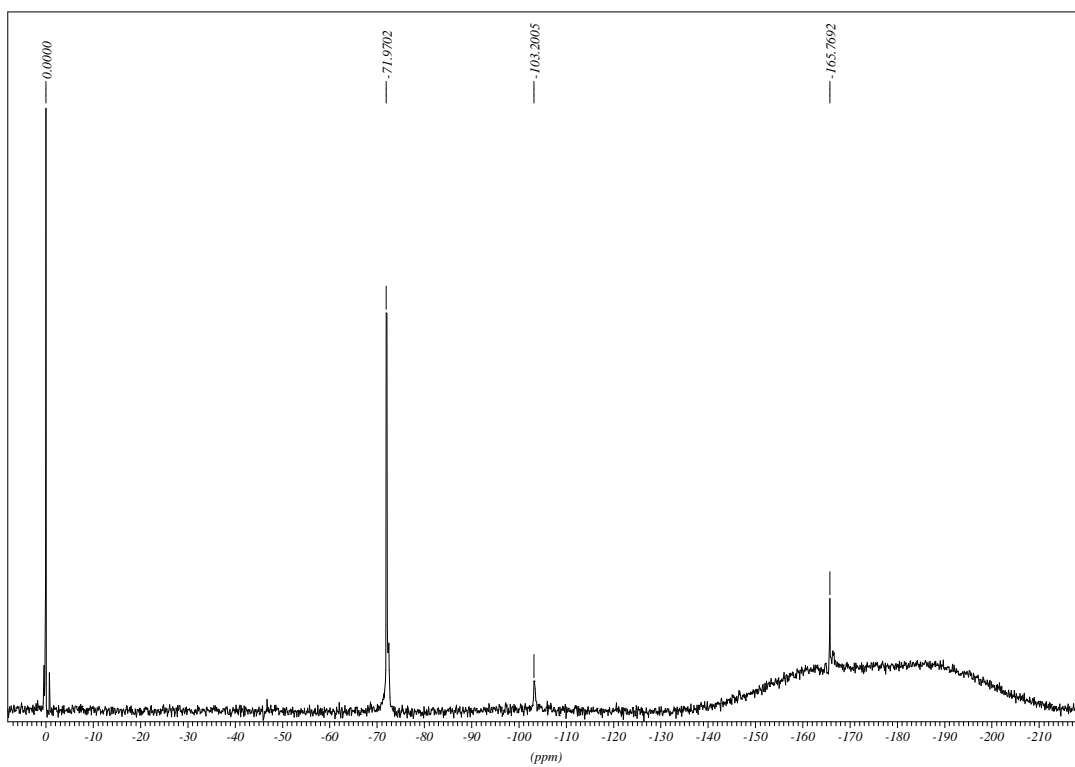


Figure S2. ¹⁹F-NMR spectrum of F₆₄PcMg (CDCl₃, CFCl₃ std).

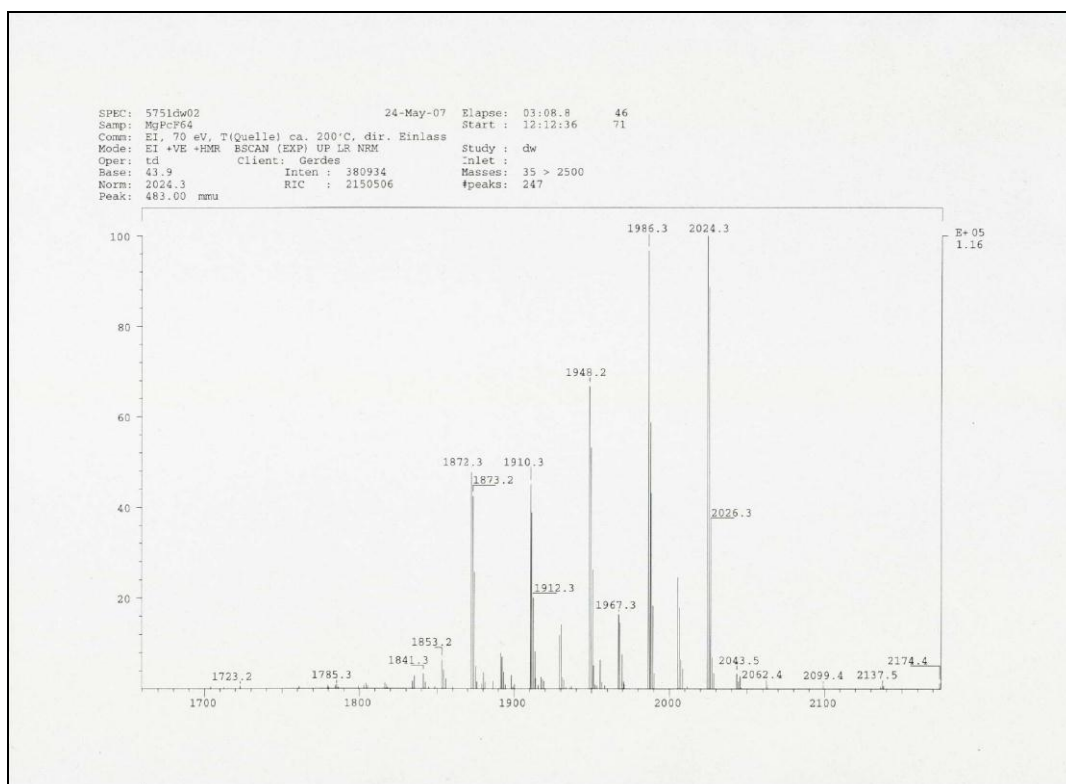


Figure S3. EI-MS spectrum of F₆₄PcMg (molecular ion peak 2024 m/z).

2. DLS size analysis of loaded and unloaded micelles of aqueous solution of the Ak-St-F polymer.

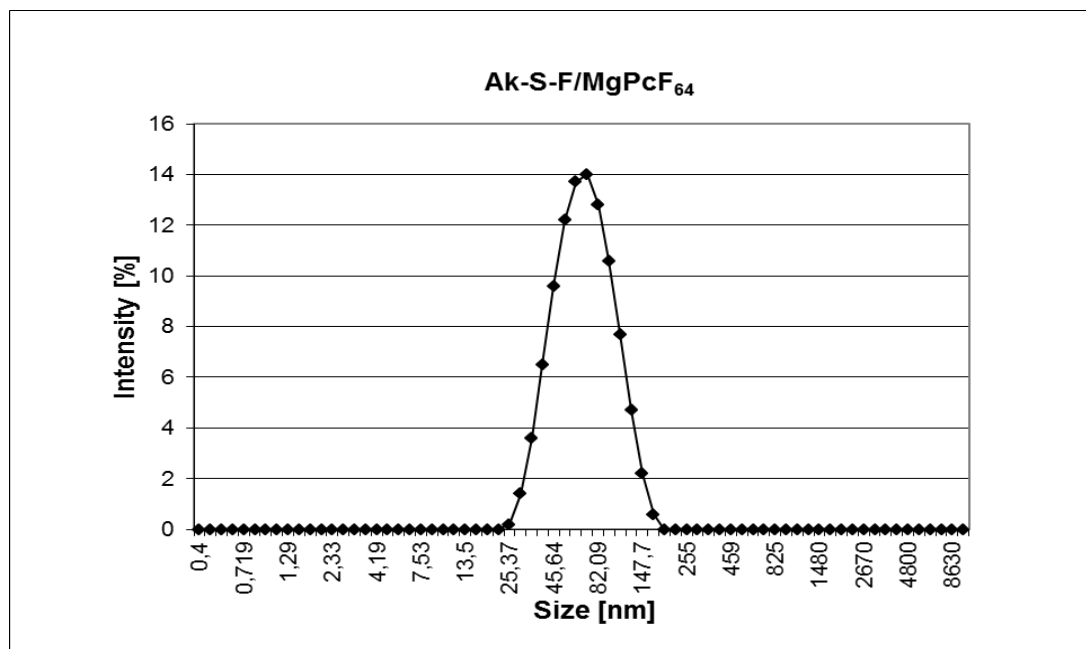
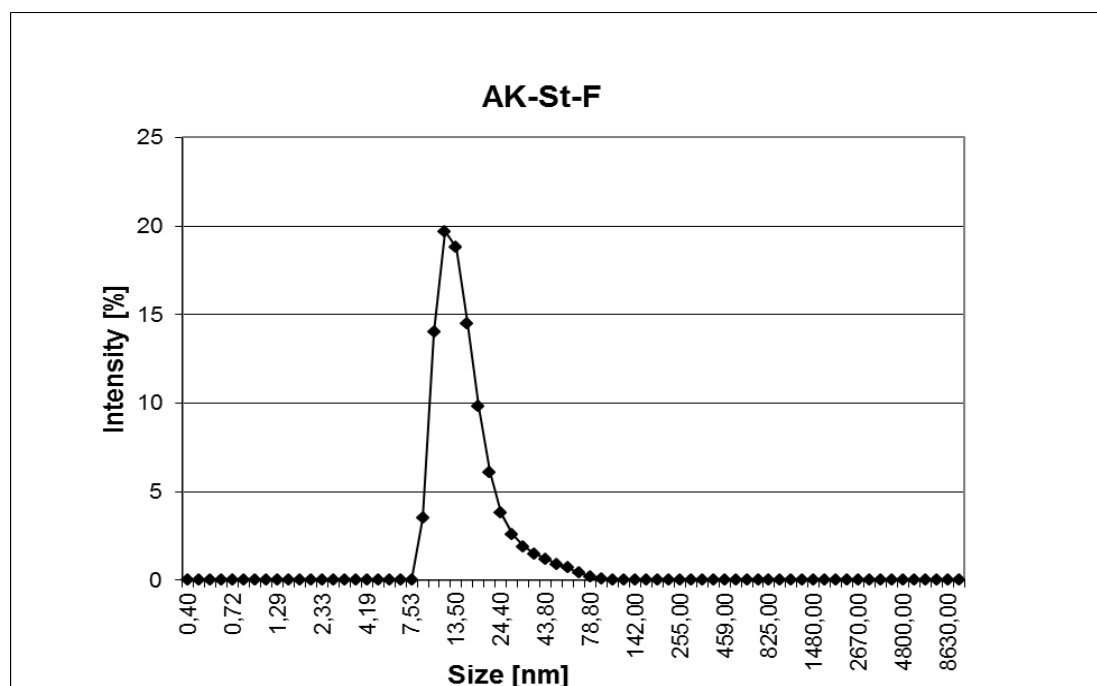


Figure S4. DLS data of Ak-St-F polymer in aqueous solution before and after solubilization of the probe.

3. AFM images of grain size analysis of the Ak-St-F/PSS films with solubilized MgPcF₆₄ molecule

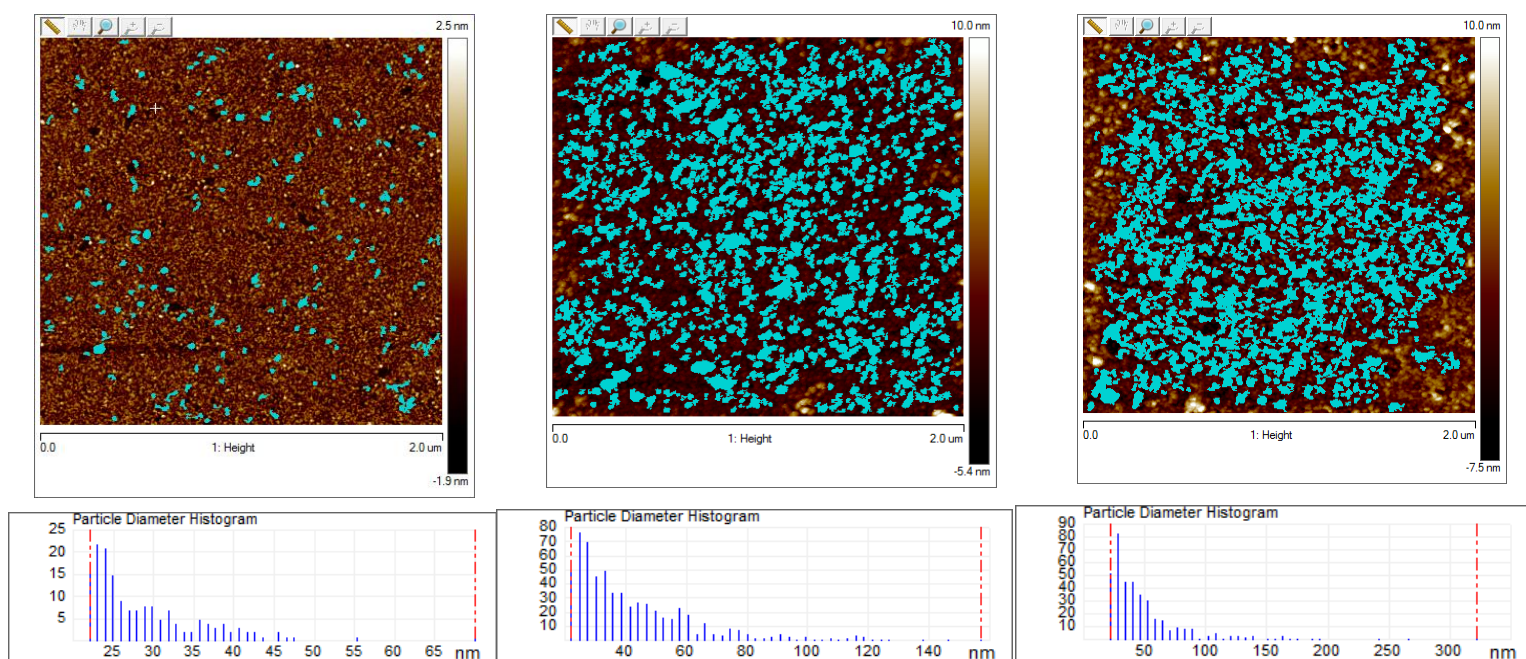


Figure S5. AFM grain size analysis of (left to right): one bilayer, three bilayers and five bilayers-thick Ak-St-F/PSS films with corresponding histograms.