Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics


Electronic supplementary information

# Effect of cations on condensation of a mesogenic amphiphilic molecule at air-aqueous electrolyte interface

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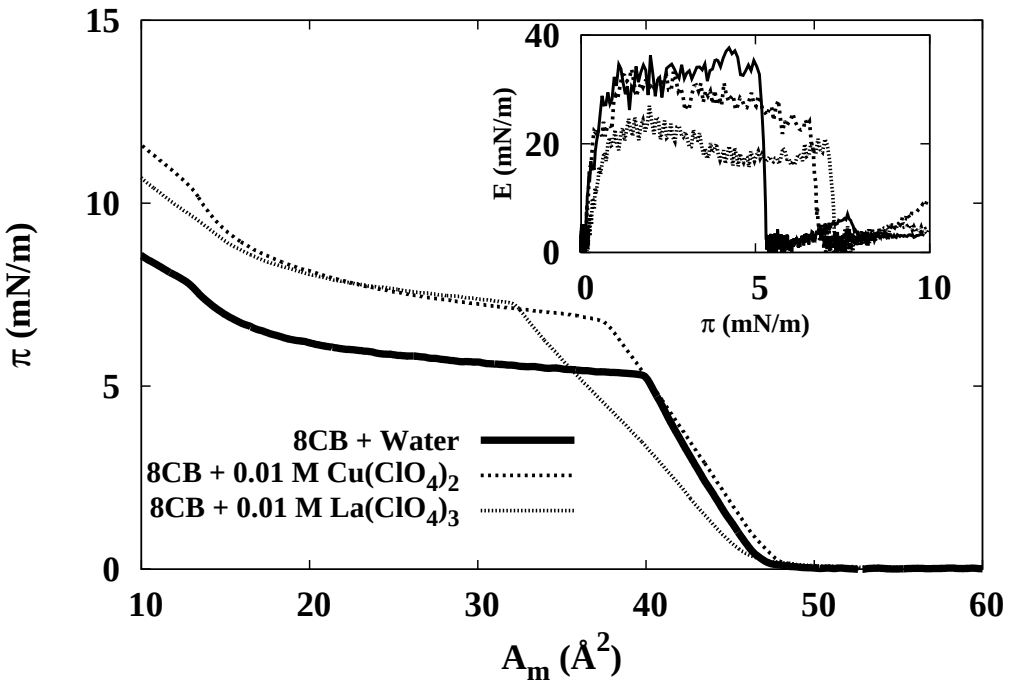


Figure S1: Surface pressure ($\pi$) - area per molecule ($A_m$) isotherm of 8CB monolayer for ion-free and ion-enriched subphase at 298 K. Inset shows the corresponding compression elastic modulus ($E$) with surface pressure ($\pi$).

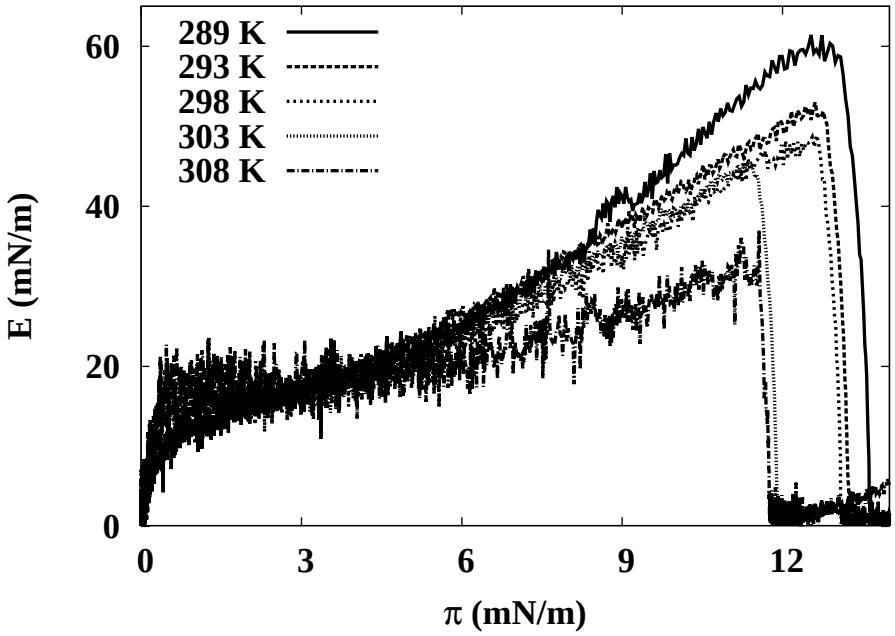


Figure S 2: Variation of the elastic modulus, $E$ with the surface pressure, $\pi$ for 8CB monolayer with 0.1 M aluminum perchlorate solution as subphase at different temperatures.

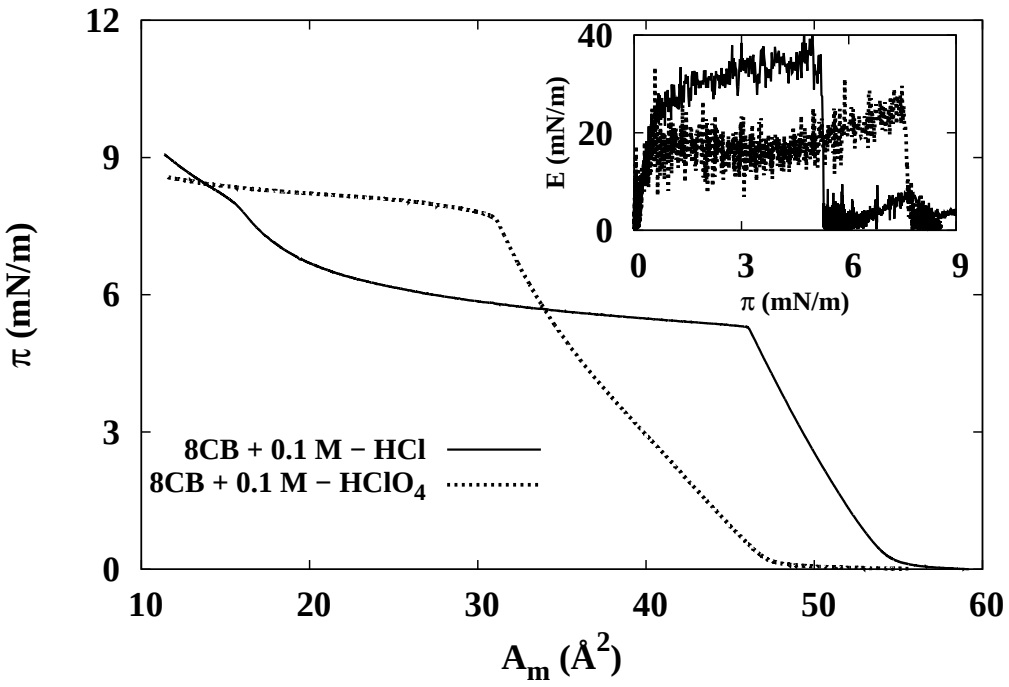


Figure S 3: Surface pressure ($\pi$) - area per molecule ($A_m$) isotherm (298 K) of 8CB monolayer on aqueous subphase containing the acids at 0.1 M concentration. Inset shows the variation of compression elastic modulus ($E$) with surface pressure ($\pi$).