Electronic supplementary information

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

Shilpa Harish T and P. Viswanath*
Centre for Soft Matter Research,
Jalahalli, Bangalore,
560 013, India.

*Corresponding author. E-mail: viswanath@csmr.res.in
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 S2: 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 S3: 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 ($\pi$).