

SUPPLEMENTARY INFORMATION

Acetone as a Polar Cosolvent for Pyridinium-Based Ionic Liquids

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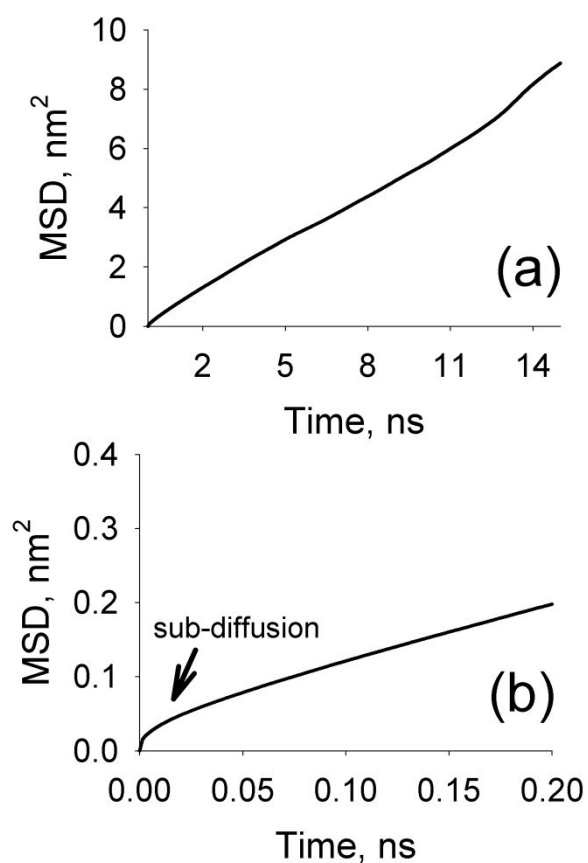


Figure S1. Mean-squared displacements (MSD) of the ACET molecules in the [BPY][PF₆] rich (30 mol%) mixture: (a) MSD vs. time used to derive self-diffusion coefficient; (b) sub-diffusion regime in the same system. The self-diffusion coefficient of ACET in the 30 mol% [BPY][PF₆] is $1 \times 10^{-10} \text{ m}^2 \text{ s}^{-1}$, which is much smaller than self-diffusion of molecules in pure ACET.