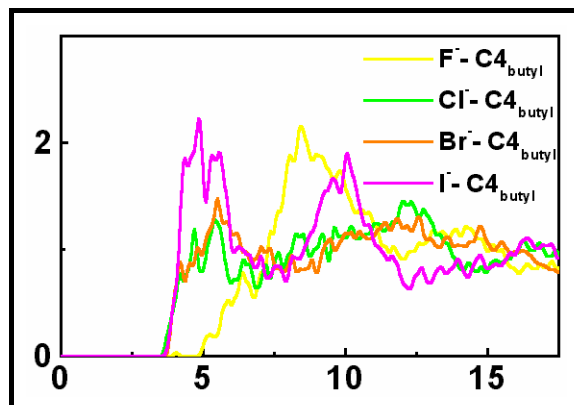


**Figure S1:** Atomic Charges and Amber Atom types of the simulated species.



**Figure S2:** X<sup>-</sup> anions in dry [BMI][PF<sub>6</sub>] : Radial distribution function of C<sub>4</sub>(butyl) atoms around X<sup>-</sup>.