



Scheme 1. Molecular structures and atom numbering for cation and anions of the ILs used in this work. From top to bottom: Sketch of DEME cation. Sketch of IM₀₀ anion. General formula for anions IM₁₁-IM₄₄. Atom numbering for the perfluoroalkyl chains, shown in the nonafluorobutyl case (m=4).