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Effect of water on the transport properties in protic and aprotic imidazolium ionic liquids. An analysis of self-diffusivity, conductivity, and proton exchange mechanism

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## 1 Supplementary Information

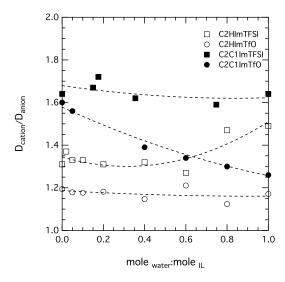


Figure 1: SI-1. Relative self-diffusion coefficient  $D_{cation}/D_{anion}$  as a function of added water for the ionic liquids investigated.

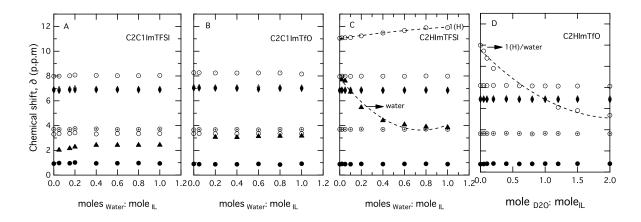


Figure 2: SI-2. Chemical shift map from  ${}^{1}H$  NMR experiments for investigated ionic liquids at different H<sub>2</sub>O-to-IL mole ratios. 1(Me) and 1(H)( $\circ$ ), 2( $\odot$ ) , 3 ( $\diamond$ ), 4( $\blacklozenge$ ), 5( $\oplus$ ), 6 ( $\bullet$ ), water( $\blacktriangle$ ).