SUPPLEMENTARY INFORMATION

Imidazolium-based ionic liquids immobilized on solid supports: effect on the structure and thermostability
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Figures

Figure S1. Differential thermal gravimetric analyses of neat [BMI][PF₆] (black), [BMI][PF₆]/SiO₂ (red) and [BMI][PF₆]/Al₂O₃ (blue).
Figure S2. XRD diffractograms at – 20 °C (left) and room temperature (right) for: [BMI][PF₆]/SiO₂ (a), [BMI][PF₆]/Al₂O₃ (b) and [BMI][PF₆] (c).
Figure S3. $^{31}\text{P}^{'\text{1}H}$ MAS NMR spectra of [BMI][PF$_6$] (A), [BMI][PF$_6$]/Al$_2$O$_3$ (B) and [BMI][PF$_6$]/SiO$_2$ (C)
Figure S4. $^1$H (a), $^{31}$P (b) and $^{19}$F (c) NMR spectra (acetone-d$_6$) of distilled compound of [BMI][PF$_6$]/SiO$_2$. 
**Figure S5.** $^1$H (300 MHz, acetone-d$_6$) and $^{31}$P (121 MHz) NMR spectra of neat [BI][PF$_6$] (a). $^1$H and $^{19}$F (282 MHz) NMR spectra of distilled compound of [BI][PF$_6$]/SiO$_2$ (b and c, respectively); no signals were observed in $^{31}$P NMR spectrum. * Denotes solvent signal.