Low-temperature heat capacities of 1-alkyl-3-methylimidazolium bis(oxalato)borate ionic liquids and the influence of anion structural characteristics on thermodynamic properties

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Fig. S1 $^1$H NMR of [Bmim][BOB]

Fig. S2 $^{13}$C NMR of [Bmim][BOB]
Fig. S3 $^{11}$B NMR of [Bmim][BOB]
Fig. S4 $^1$H NMR of [Hmim][BOB]
Fig. S5 $^{13}$C NMR of [Hmim][BOB]

Fig. S6 $^{11}$B NMR of [Hmim][BOB]
The TG measurements were carried out by using a Netzsch differential scanning calorimeter (model: STA449F3). The experimental curves, as seen in Figure S7 and S8, show that the decomposition temperature of [Bmim][BOB] is around 259 °C and that of [Hmim][BOB] is 235 °C.