Cycloaddition of CO$_2$ to Epoxides Catalyzed by Imidazolium-Based Polymeric Ionic Liquids

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Supporting information:

Figure S1: (a) $^1$H MAS NMR spectrum and (b) $^{13}$C MAS NMR spectrum of poly[bvbim][PF$_6$].
Figure S2: (a) $^1$H MAS NMR spectrum and (b) $^{13}$C MAS NMR spectrum of poly[bvbim][BF$_4$].

Figure S3: IR spectra of (a) [bvbim][PF$_6$] and (b) poly[bvbim][PF$_6$].
Figure S4: IR spectra of (a) [bvbim][BF$_4$] and (b) poly[bvbim][BF$_4$].

Figure S5: TGA curves of (a) poly[bvbim][PF$_6$] and (b) poly[bvbim][BF$_4$].
**Figure S6**: (left) SEM image and (right) TEM image of poly[bvbim][PF$_6$].

**Figure S7**: (left) SEM image and (right) TEM image of poly[bvbim][BF$_4$].