

Supporting Information

SO₂ Absorption in EmimCl-TEG Deep Eutectic Solvents

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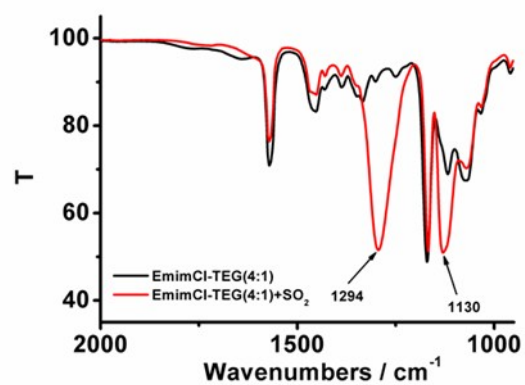


Fig. S1 FTIR spectra of EmimCl-TEG(4:1) before and after SO₂ absorption.

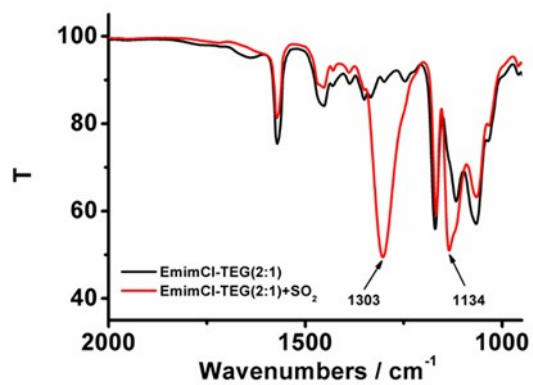


Fig. S2 FTIR spectra of EmimCl-TEG(2:1) before and after SO₂ absorption.

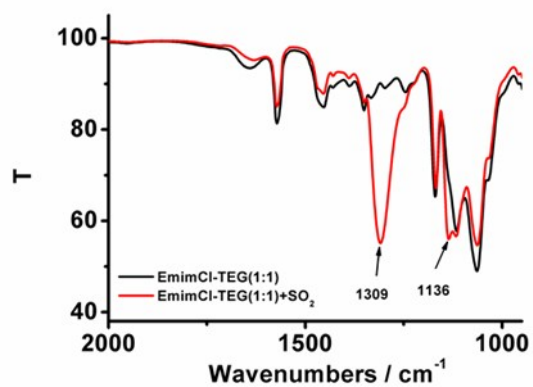


Fig. S3 FTIR spectra of EmimCl-TEG(1:1) before and after SO₂ absorption.

Table S1 The FTIR wavenumbers of EmimCl, TEG and EmimCl-TEG DESs

	O-H	C _{4,5} -H	C ₂ -H	C-O-C	C-OH
EmimCl	—	3139	3038	—	—
EmimCl-TEG(6:1)	3254	3142	3049	1119	1080
EmimCl-TEG(4:1)	3264	3144	3058	1118	1069
EmimCl-TEG(2:1)	3282	3146	3070	1117	1066
EmimCl-TEG(1:1)	3321	3151	3094	1116	1064
TEG	3395	—	—	1116	1059