

Dicationic Acidic Ionic Liquid가 Fructose
5-Hydroxymethylfurfural(HMF)

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Heteropoly acids, aluminosilicates zirconium phosphate fructose
 5-HMF
 aqueous/organic acidic ionic liquid biphasic 가
 [tetraEG(mim)₂][LiNTf₂]₂ IL dicationic acidic ionic liquid가 biphasic
 , NH₃-adsorption, BET, XRD,
 fructose
 FT-IR C-NMR
 (2009-0093816)