

Support Information

Table S1. The FAL production from xylose catalyzed by FFS based solid acids in DES_{MLA}-water (1/9, v/v) system.

Catalyst	FAL yield (%)
-	32.0
FFS	34.8
SnO ₂ -FFS	58.6
SO ₄ ²⁻ /SnO ₂	61.1
SO ₄ ²⁻ /SnO ₂ -FFS	70.5

Reaction conditions: 175 °C for 15 min in 40 mL working volume, 20 g/L Xylose, 20 g/L ZnCl₂.