

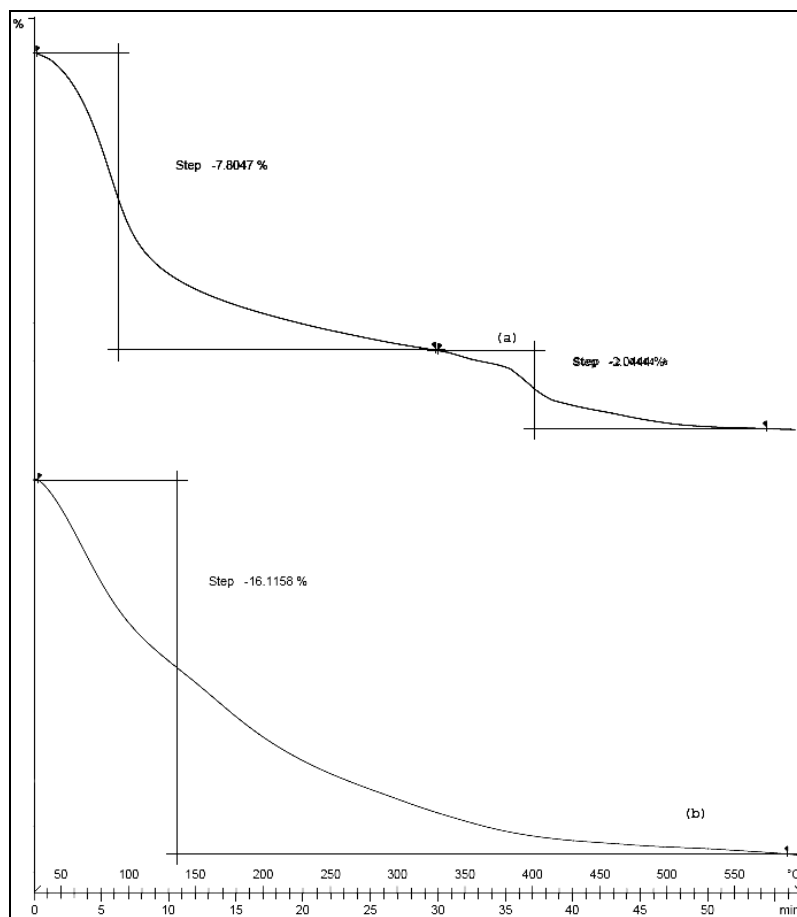


Fig S1 TGA curve of (a) LPW and (b) LPW₂/ZrO₂

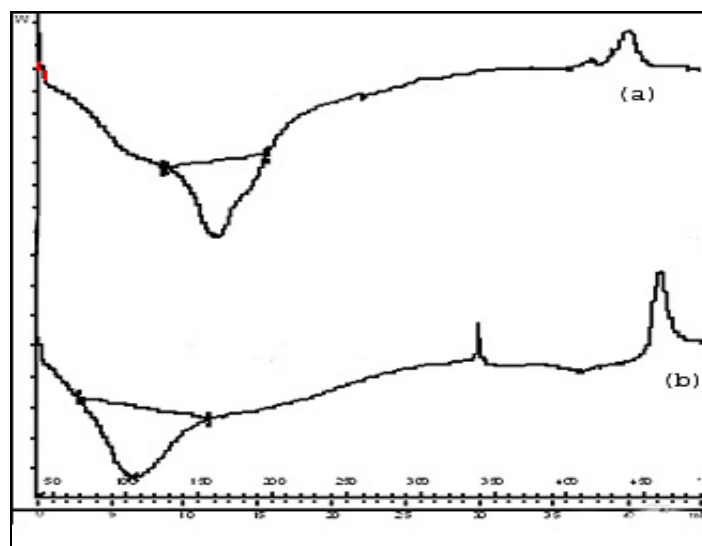


Fig S2 DSC curve of (a) LPW and (b) LPW₂/ZrO₂

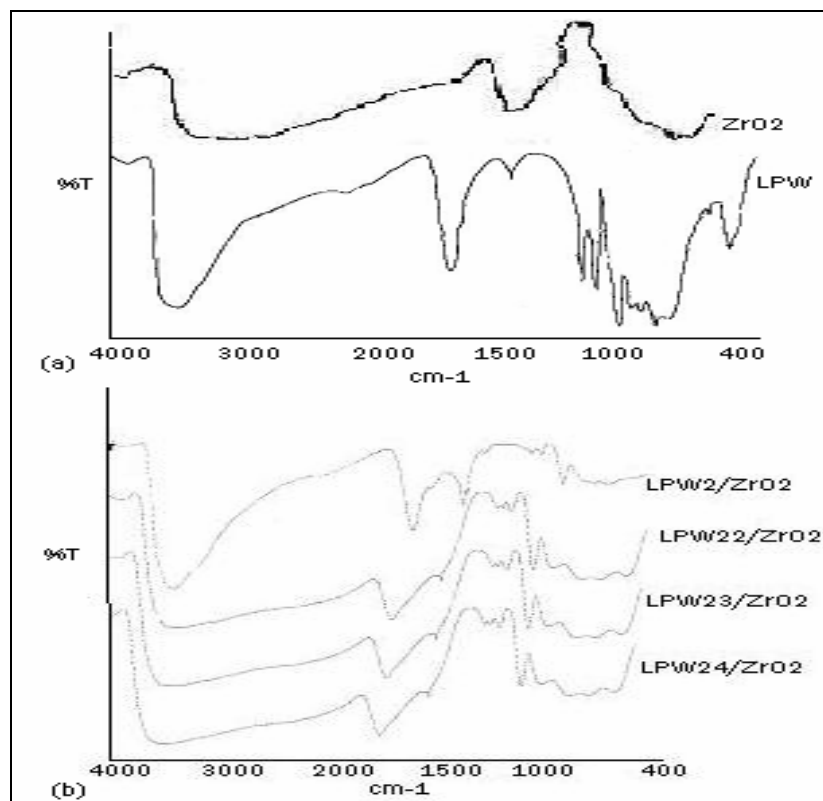


Fig S3 FT-IR spectra of (a) ZrO₂ and LPW (b) LPW₂/ZrO₂, LPW₂₂/ ZrO₂, LPW₂₃/ZrO₂ and LPW₂₄/ZrO₂

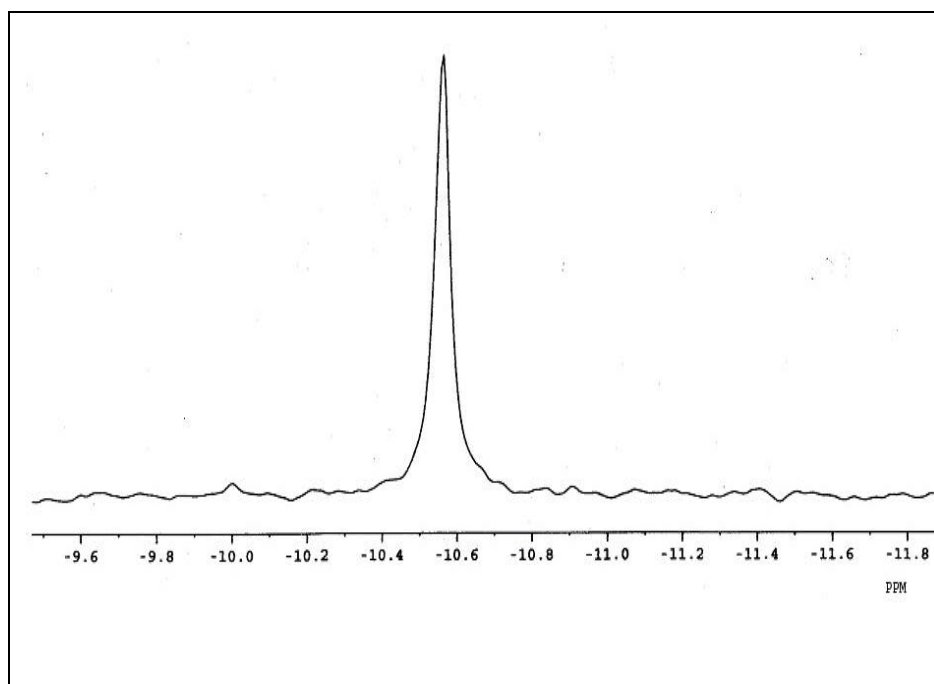


Fig S4 ^{31}P solution NMR of LPW

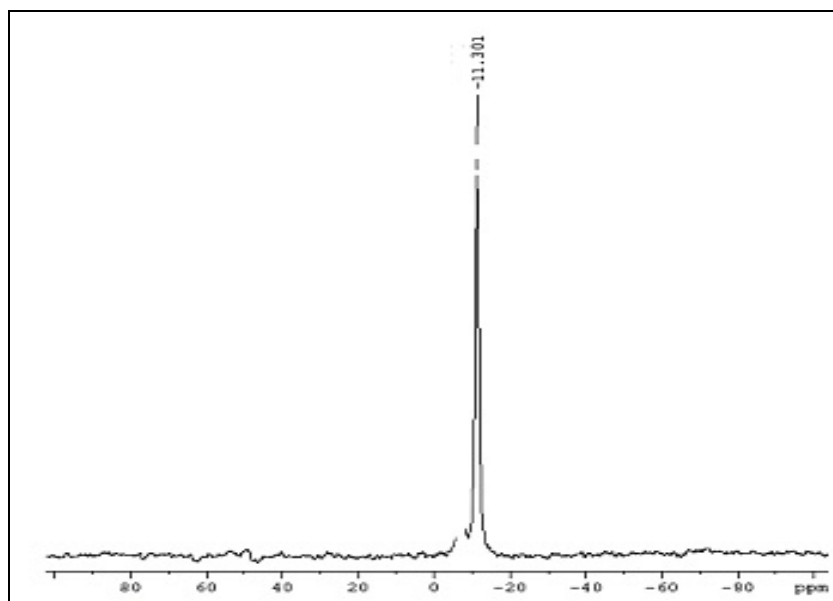


Fig S5 (a) ^{31}P MAS NMR of LPW

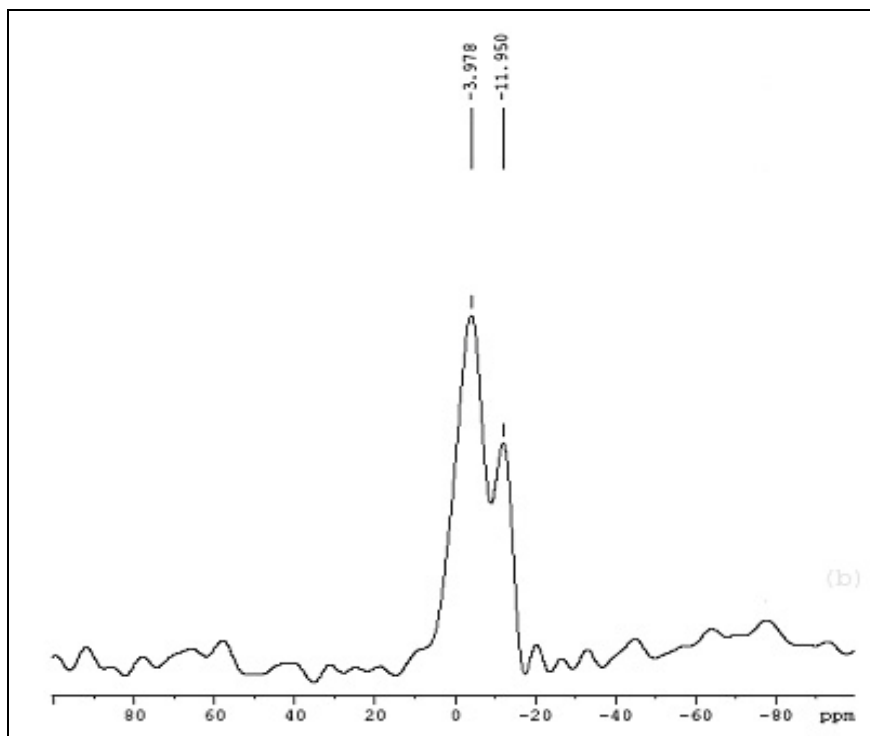


Fig S5 (b) ^{31}P MAS NMR of $\text{LPW}_2/\text{ZrO}_2$

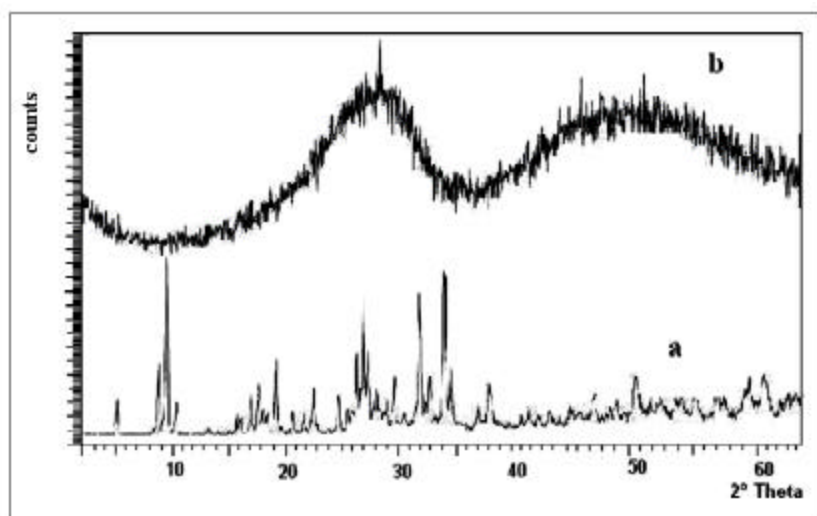


Fig. S6 XRD diffraction pattern of (a) LPW (b) LPW₂/ZrO₂