

Electronic Supplementary Information

Constructing mesoporous solid superbases by a dualcoating strategy

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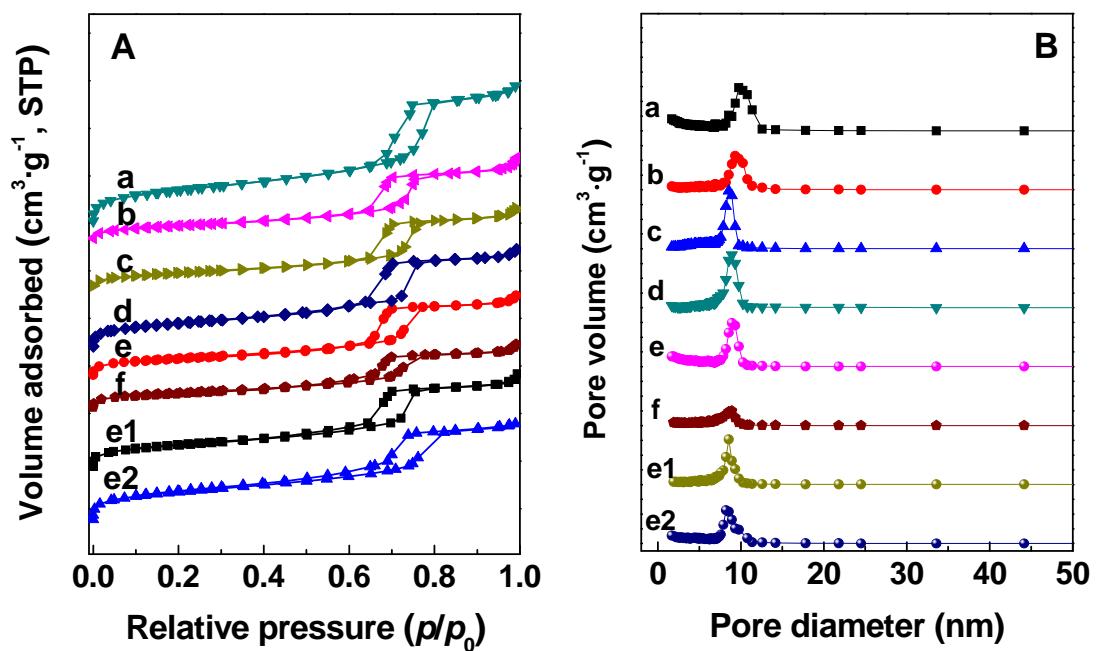


Fig. S1 (A) N₂ adsorption-desorption isotherms and (B) pore size distributions of (a) SBA-15, (b) ZS(A)-5, (c) ZS(A)-10, (d) ZS(A)-20, (e) ZS(A)-30, (f) ZS(A)-40, (e1) ZS(I)-30, and (e2) ZS(G)-30 samples.

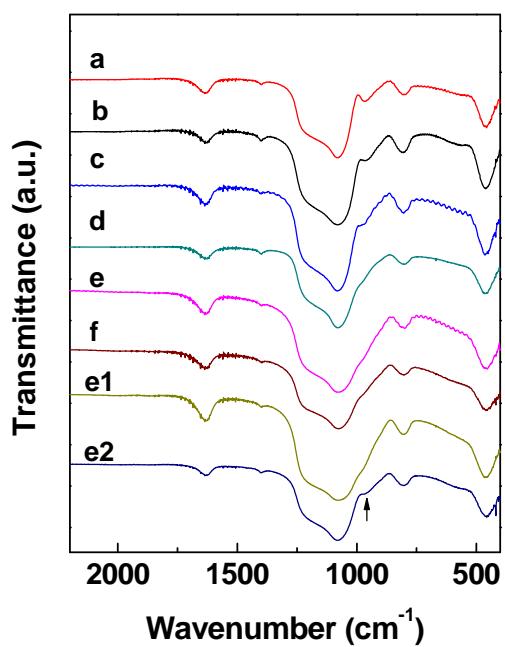


Fig. S2 IR spectra of (a) SBA-15, (b) ZS(A)-5, (c) ZS(A)-10, (d) ZS(A)-20, (e) ZS(A)-30, (f) ZS(A)-40, (e1) ZS(I)-30, and (e2) ZS(G)-30 samples.

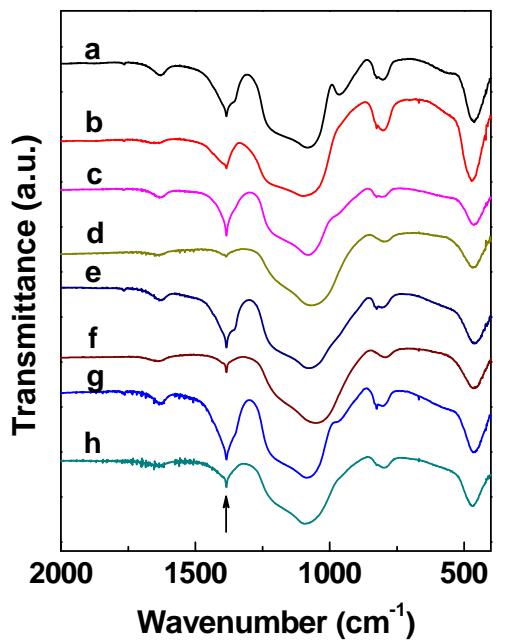


Fig. S3 IR spectra of KS (a) before and (b) after activation, KZS(A)-30 (c) before and (d) after activation, KZS(I)-30 (e) before and (f) after activation, and KZS(G)-30 (g) before and (h) after activation.

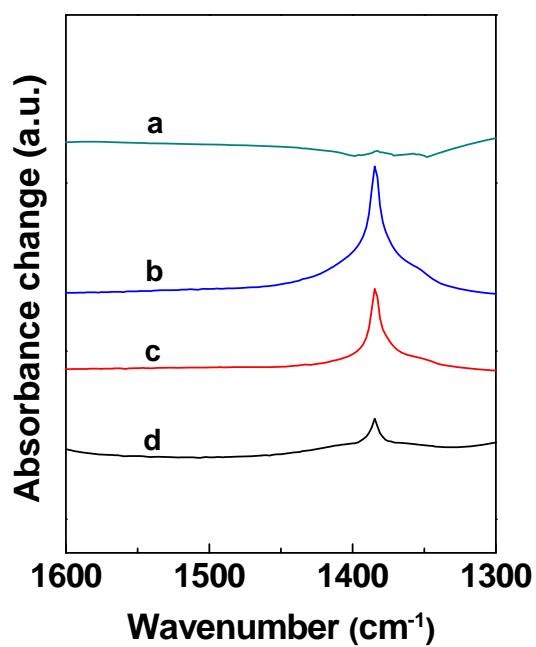


Fig. S4 Difference spectra of (a) KS before and after activation, (b) KZS(A)-30 before and after activation, (c) KZS(I)-30 before and after activation as well as (d) KZS(G)-30 before and after activation.

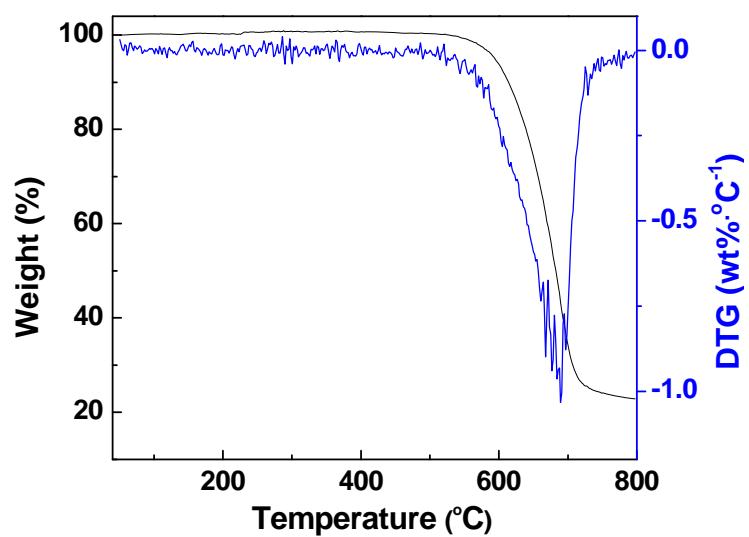


Fig. S5 TG and DTG curves of KNO_3 .