Supplementary Information

Hydrothermal Synthesis of Nanosized Sn-Beta Zeolites by Interzeolite Transformation for Glucose Isomerization

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Table S1. Physicochemical properties of Sn based catalysts.

No.	Sample	Si/Sn[a]	S_{BET}[b]	Pore volume ($cm^3\ g^{-1}$)		
			($m^2\ g^{-1}$)	V_{total}[c]	V_{micro}[d]	V_{meso}[e]
1	Sn-Beta-100	102	530	0.41	0.16	0.25
2	Sn-Beta-F	108	505	0.27	0.19	0.08
3	Sn-Beta-PS	105	518	0.34	0.18	0.16

[a]Analyzed by ICP technique.

[b]S_{BET}, specific surface area, estimated by BET method.

[c]V_{total}, total pore volume, determined from the adsorption capacity at $P/P_0 = 0.95$.

[d]V_{micro}, microporous volume, calculated by t-plot method.

[e]V_{meso}, mesoporous volume, $V_{meso} = V_{total} - V_{micro}$.

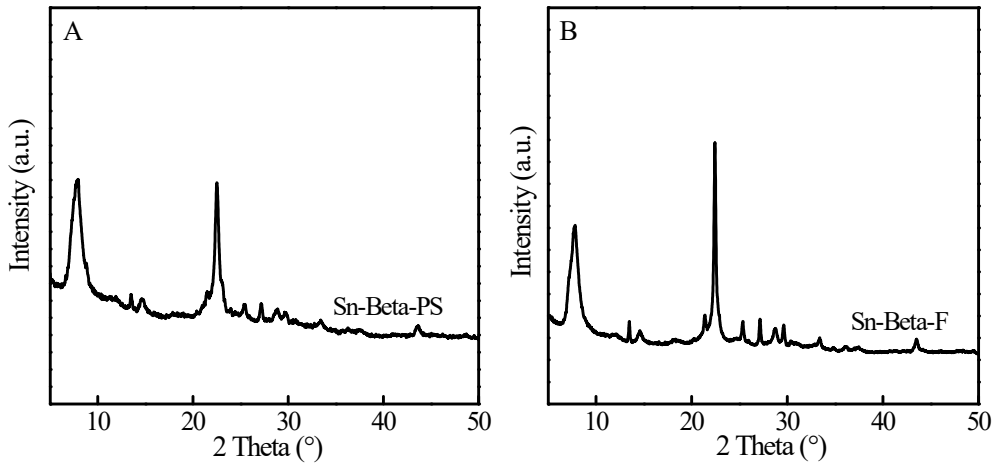

Fig. S1 XRD patterns of Sn-Beta-PS and Sn-Beta-F samples.

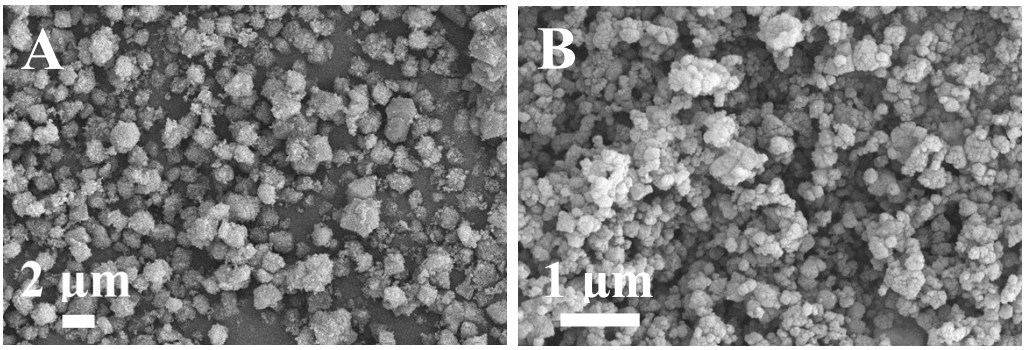

Fig. S2 SEM images of (A) Sn-Beta- F and (B) Sn-Beta-PS samples.

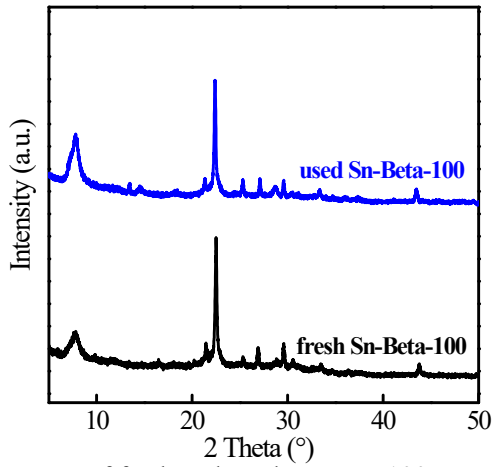

Fig. S3 XRD patterns of fresh and used Sn-Beta-100 samples.