Catalytic Application of POSS–COF-[(Co(acetate)$_2$] for Selective Reduction of Nitriles to Amines

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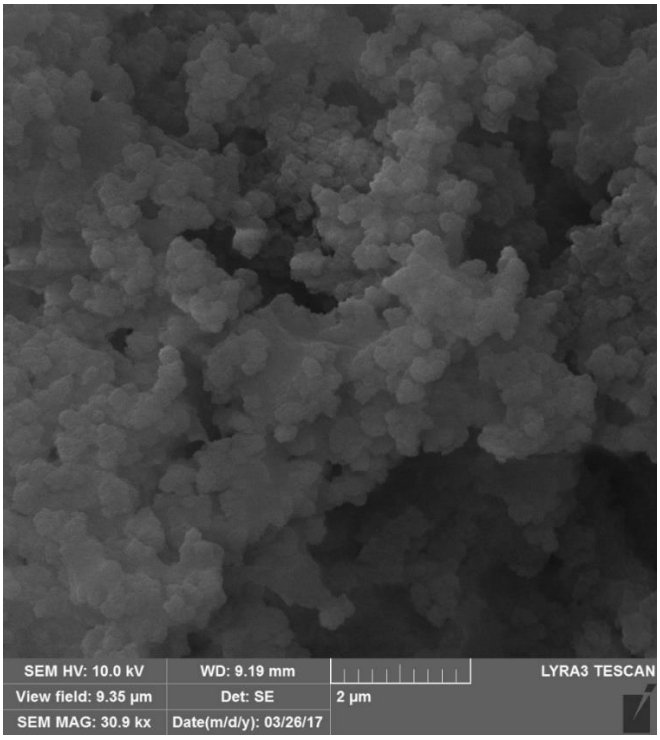


Figure S1: SEM image of OAS-POSS (Co) at 2µm resolution.

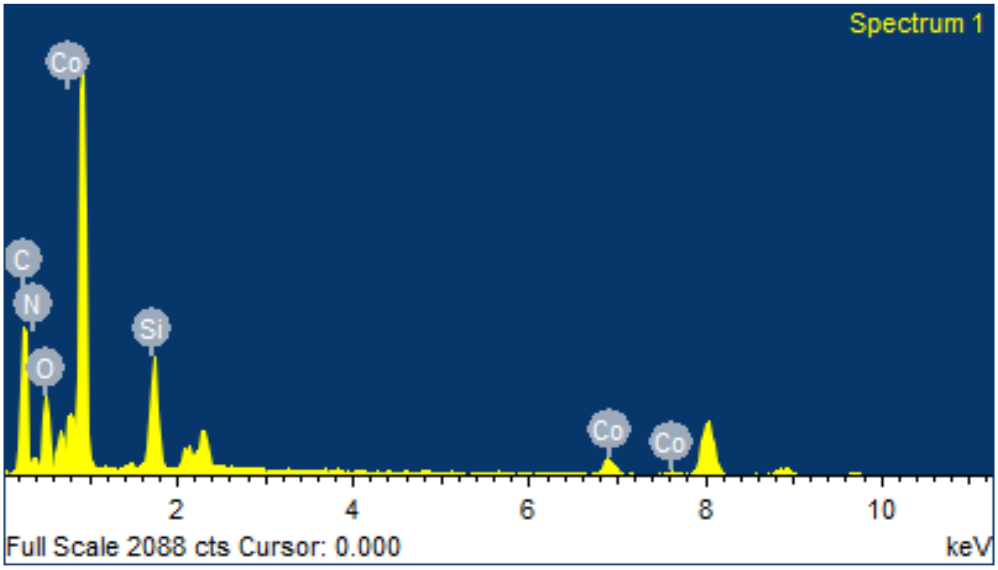


Figure S2: EDS spectrum of OAS-POSS (Co) catalyst.

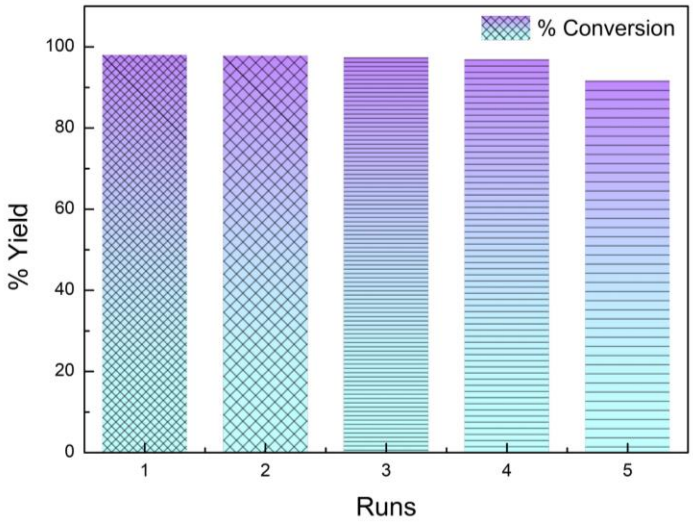


Figure S3: Recyclability of POSS-COF (Co) catalyst for the hydrogenation of benzonitrile to benzylamine over five runs.

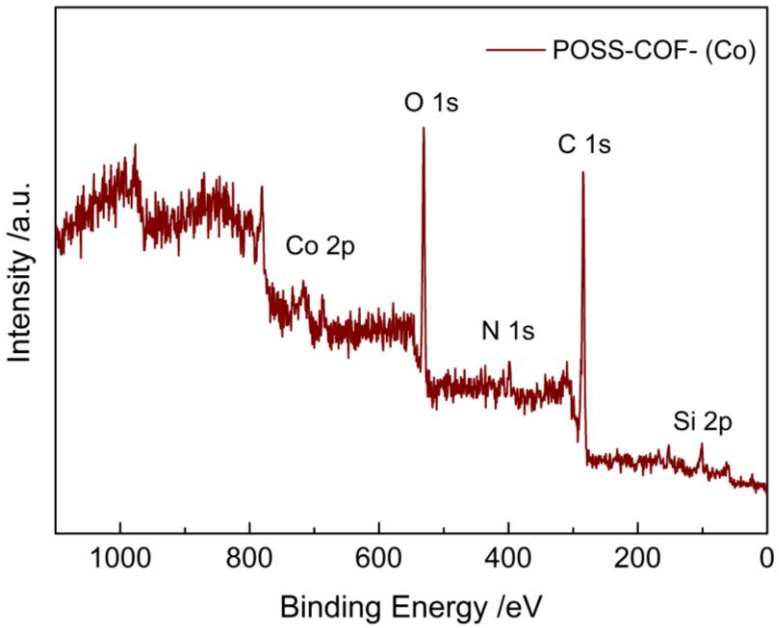


Figure S4: Full scan XPS spectrum of POSS-COF (Co) catalyst.

Table S1: Vibrational signatures of OAS-POSS characterized by FTIR.

	υ_{C-H} **(aromatic)**	υ_{C-H} **(aliphatic)**	$\upsilon_{C=N}$	υ_{Si-C}	$\upsilon_{Si-O-Si}$
OAS-POSS	2971 (m)	2852 (m)	1615 (m)	1272 (m)	1094 (s)

*m = medium, s = small