Supplementary Material (ESI) for CrystEngComm

Monodispersed Mesoporous SBA-15 with Novel Morphologies: Controllable Synthesis and Morphology Dependence of Humidity Sensing

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The data in Table S1 derived from Fig.6b was computed by linear regression algorithm. The linearity was defined as the square of correlation coefficient value (R^2) of linear fitting curve in the humidity range from 1% to 100% RH.

Sample	Fitting linear equation	Related coefficient	Standard deviation
S1	y=-66.4x+1985.4	0.918	1320.12
S2	y=-48.1x+1416.7	0.857	1289.52
S3	y=-17.7x+557.1	0.943	274.96

Table.S1 The data computed by linear regression algorithm derived from Fig.6b.

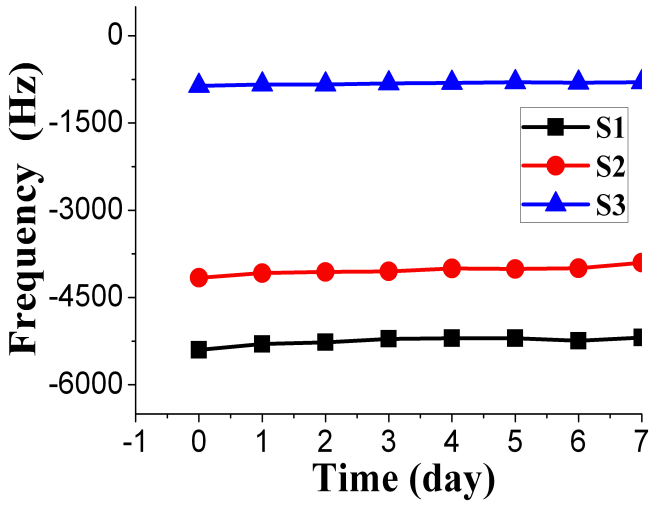

Fig.**S1**. The long-time frequency stability at 97.5%RH for the three sensors.

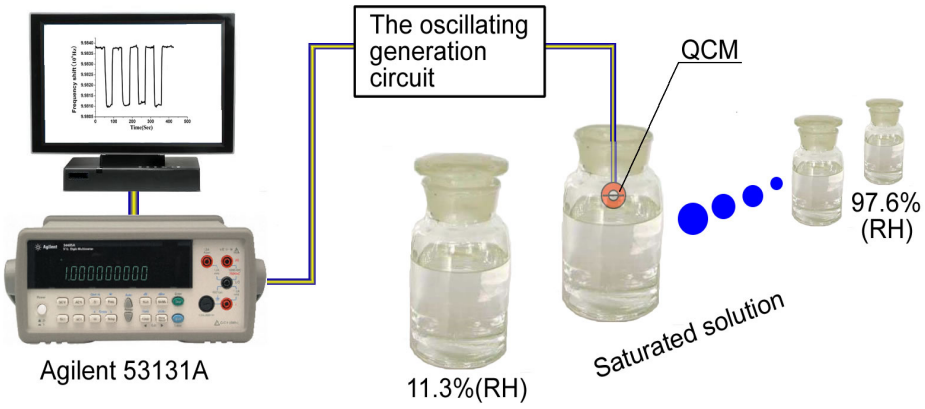

Fig.S2. The schematic diagram of the humidity testing setup for QCM.