

## The formation and growth of calcium sulfate crystals through oxidation of SO<sub>2</sub> by O<sub>3</sub> on the size-resolved calcium carbonate†

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Two Figures (S1-S2), 3 pages total

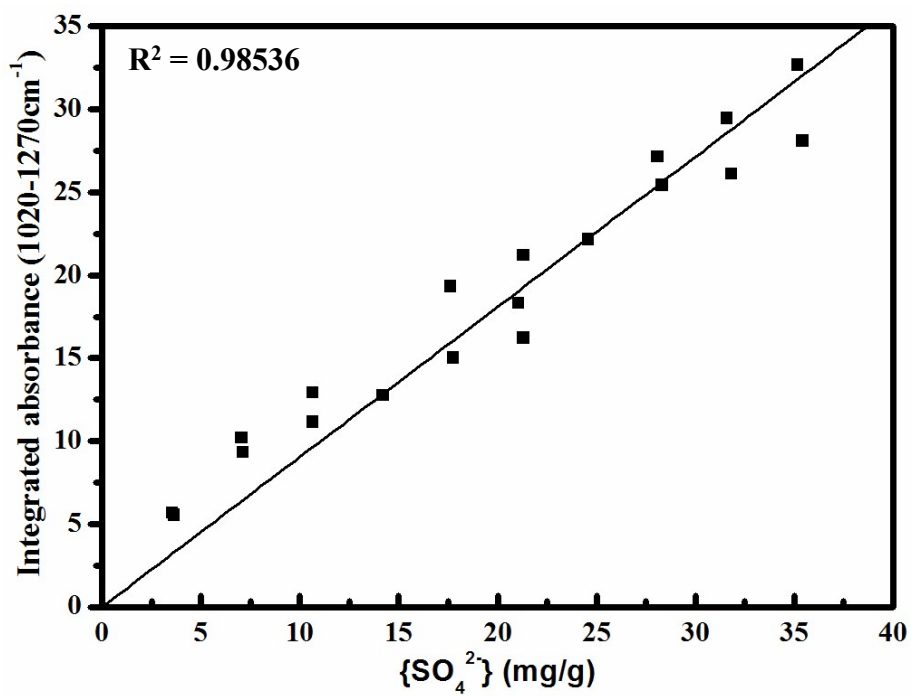
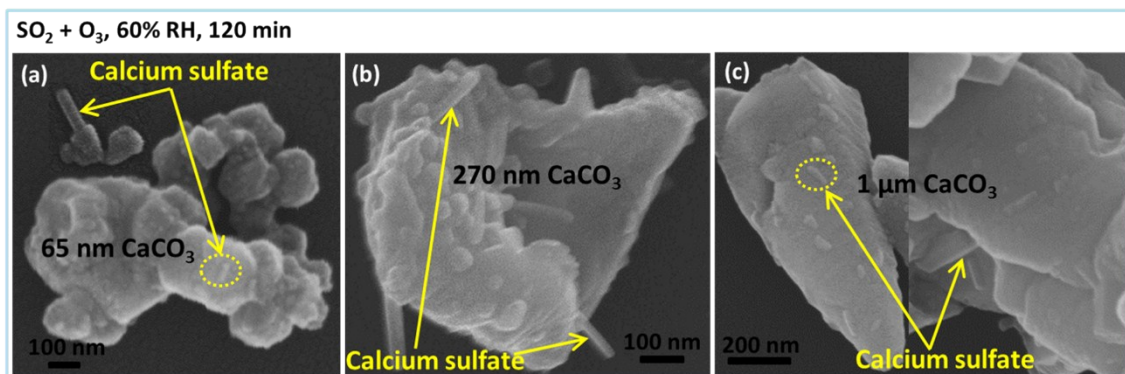


Fig. S1. Calibration curve for the integrated absorbance versus the concentration of sulfate.



**Fig. S2.** The SEM pictures of three kinds of samples (a) 65 nm CaCO<sub>3</sub>, (b) 270 nm CaCO<sub>3</sub> and (c) 1 μm CaCO<sub>3</sub> after SO<sub>2</sub> and O<sub>3</sub> were exposed simultaneously at 298 K and 60% RH for 120 min.