Interaction of CO₂ with Oxygen Adatoms on Rutile

TiO₂(110)

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Figure S1. STM images (8 × 8 nm²) illustrating the regular bright appearance of oxygen adatoms on TiO₂(110) at different tunneling voltages and currents.
Figure S2. STM images (10 × 10 nm²) illustrating the unusual dark appearance of oxygen adatoms on TiO₂(110) at low tunneling voltages and high currents after exposing the STM tip to CO₂.
Figure S3. STM image illustrating tip-induced diffusion of CO$_2$ at 20 pA tunneling current (1.4 V, 6.5 $\times$ 6.5 nm$^2$). The CO$_2$ molecule diffused from bottom right to top left as indicated by the arrow.