

Acetone-Assisted Oxygen Vacancy Diffusion on TiO₂(110)

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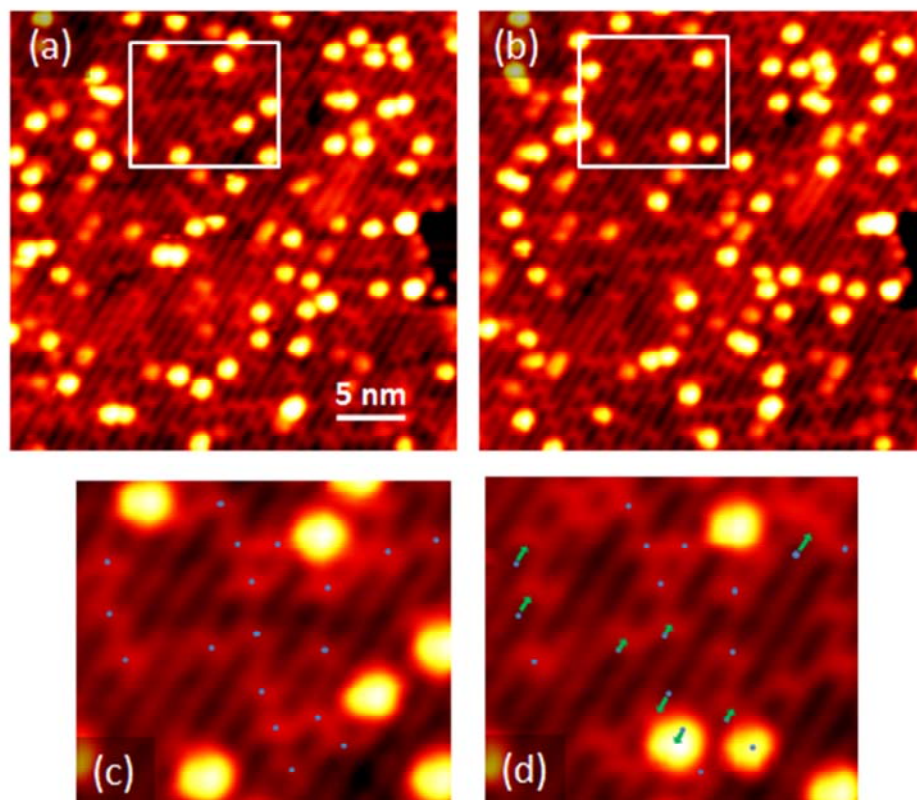
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S1. An STM movie shows both across-row and along-row motion of acetone at RT.

S2. Two STM images taken at a) $t = 0$ and b) $t = 30$ min on the same area of the $\text{TiO}_2(110)$ surface with 0.05 ML of acetone. Magnified images c) and d) from a) and b) represent the overall change in vacancy pattern.



S2. Two STM images taken at a) $t = 0$ and b) $t = 34$ min on the same area of the $\text{TiO}_2(110)$ surface with 0.05 ML of acetone. Magnified images c) and d) from a) and b) represent the overall change in vacancy pattern.