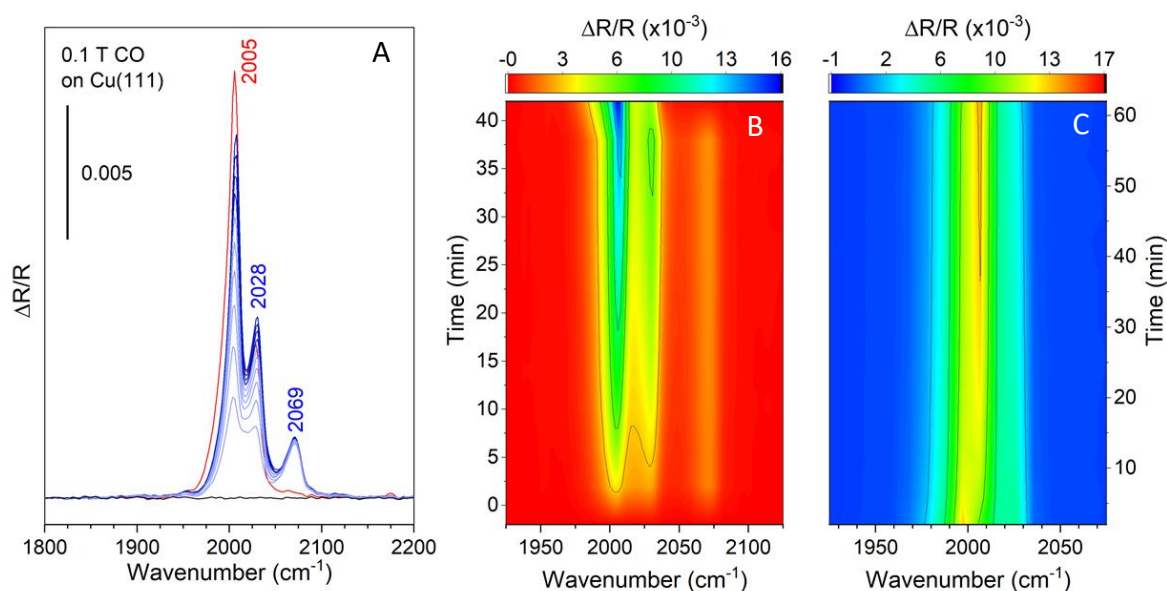


# Ambient-pressure CO driven restructuring of Cu(111) by reflection absorption infrared spectroscopy

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(A) PD-RAIRS of Cu(111) under 0.1 Torr CO for 40 minutes. RAIR spectra taken before (blue) and after (red) evacuating CO from the IR cell. (B) Heat map of RAIR spectra taken during 0.1 Torr CO exposure to Cu(111) and after evacuation of CO from IR cell. (C) Heat map corresponding to the red RAIR spectra of figure A taken for 60 minutes after evacuating CO from the IR cell.