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# Angewandte

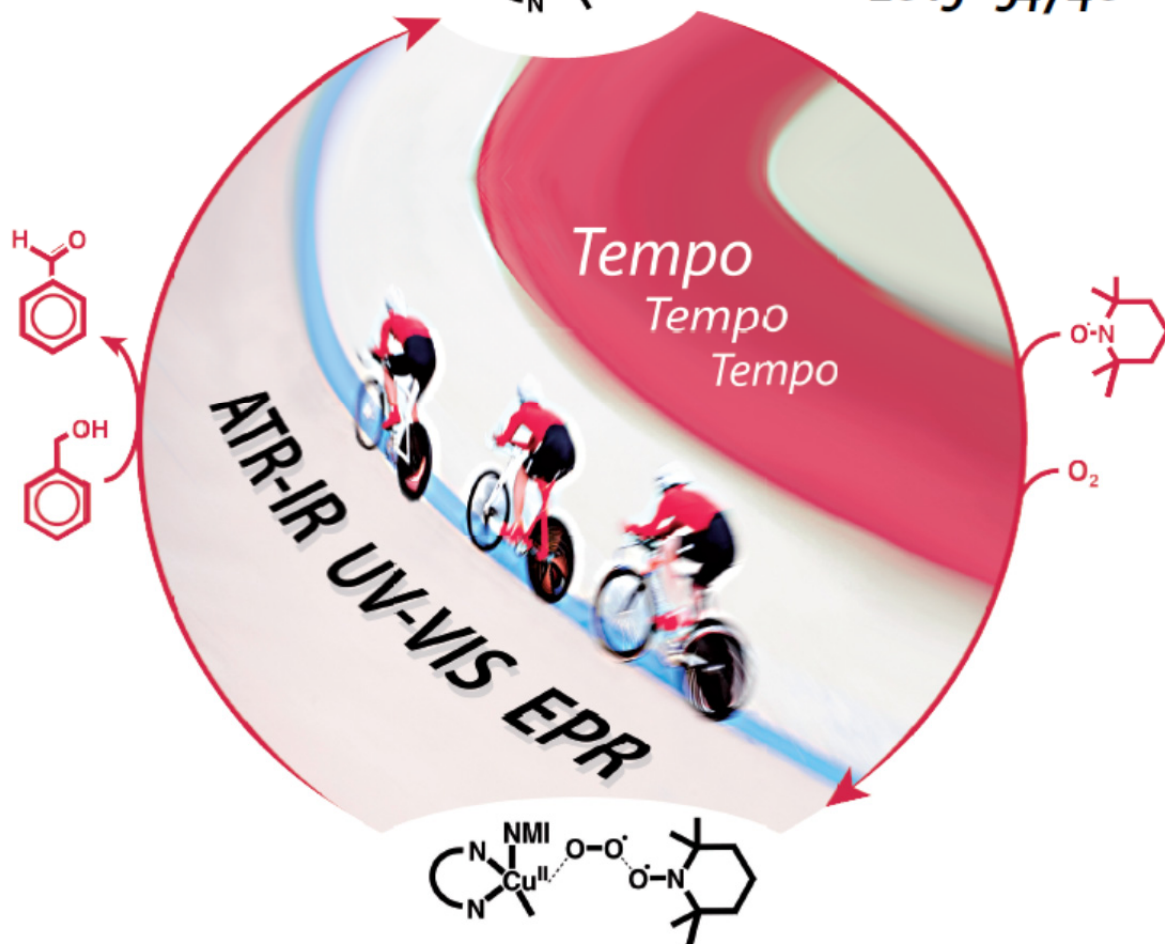
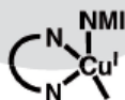
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International Edition

# Chemie

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### To unravel the mechanism ...

... of aerobic copper/TEMPO-catalyzed alcohol oxidation, operando ATR-IR, UV/Vis, and EPR spectroscopy are simultaneously coupled for the first time by A. Brückner, U. Bentrup, J. Rabeah, and R. Stößer in their Communication on page 11791 ff. TEMPO activates the oxygen and stabilizes the active (bpy)(NMI)Cu<sup>II</sup>-O<sub>2</sub> intermediate, which is formed by electron transfer from the Cu<sup>I</sup> precursor to molecular oxygen.

WILEY-VCH

J. Rabeah, U. Bentrup, R. Stößer, and **A. Brückner**, *Angewandte Chemie International Edition* **2015**, *54*, 11791–11794. Selective Alcohol Oxidation by a Copper TEMPO Catalyst: Mechanistic Insights by Simultaneously Coupled Operando EPR/UV-Vis/ATR-IR Spectroscopy.