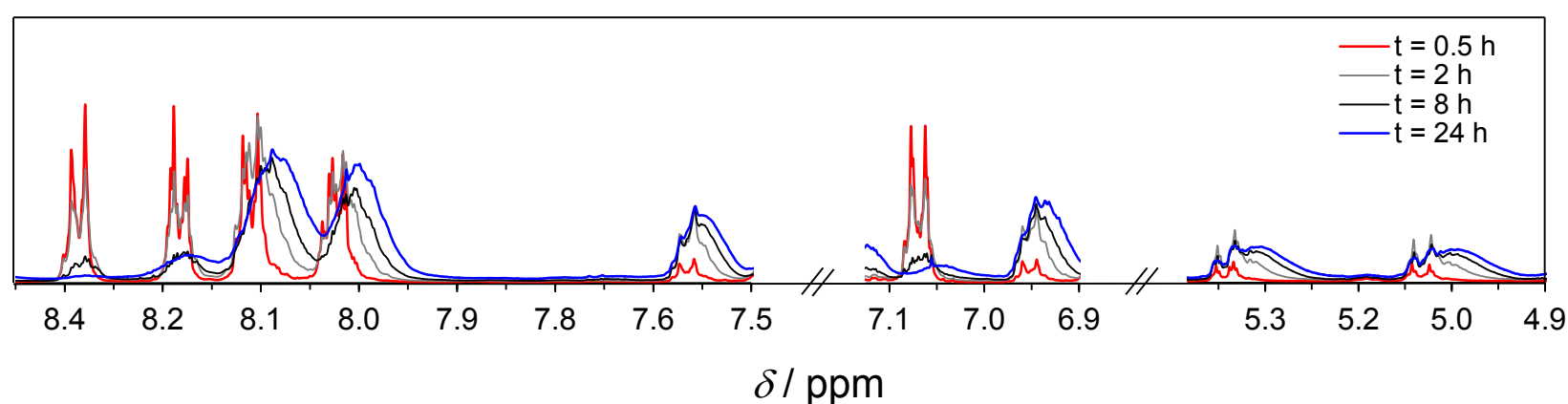




nmr is science



Step-growth polymerization kinetics of RAFT agent in CDCl_3

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Field strength: 500 MHz

Why is this your favorite spectrum?

A bifunctional RAFT agent was prepared and polymerized under UV light. Thanks to the very well-resolved proton resonances of the starting material, the kinetics of the polymerization could be accurately followed by NMR. It was amazing to see how initial signals disappeared and new ones appeared with increasing reaction time, without overlapping.

The spectrometer is located in a building 10 minutes walk away from the lab, and each sample should be submitted separately. Measuring a full kinetic experiment was also a good exercise for my legs.