

Electronic Supplementary Information

Formation of calcium phosphates nanoparticles in presence of carboxylate molecules: A time-resolved *in situ* synchrotron SAXS and WAXS study

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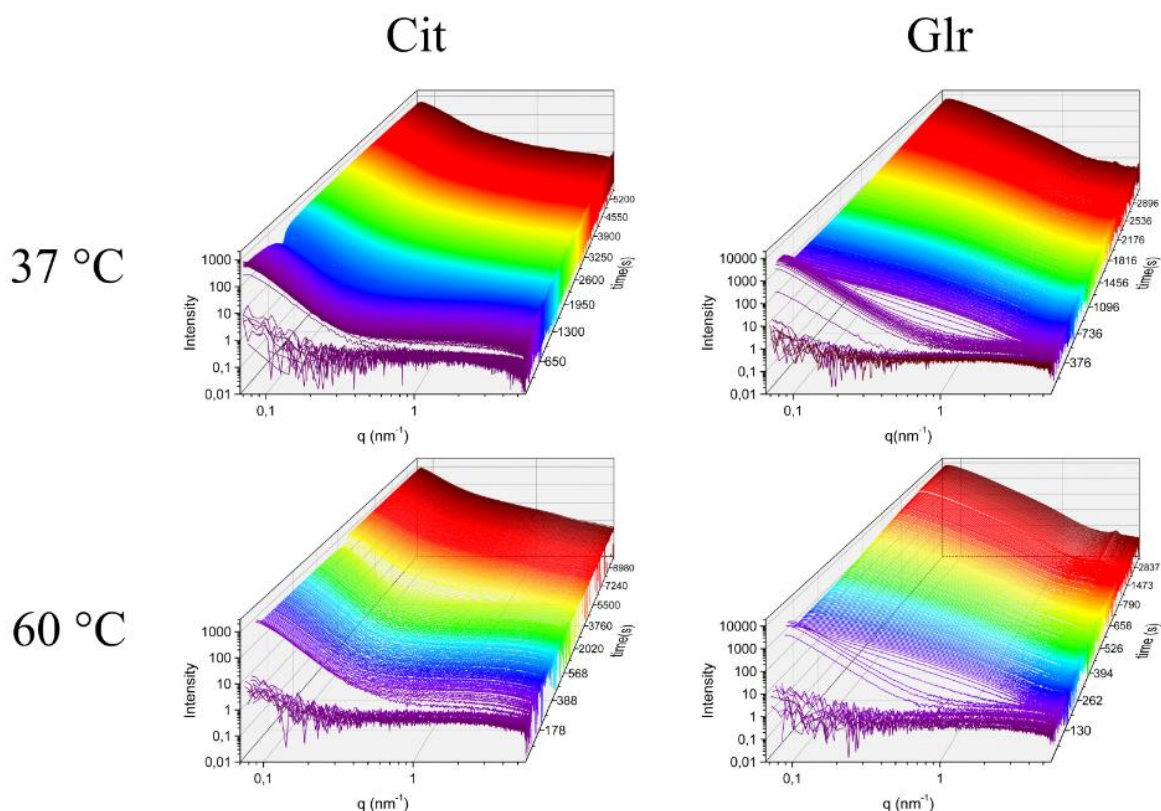


Figure S1. Stack-plots of the measured SAXS curves as a function of time during the formation of the HA nanoparticles at 37 °C and 60 °C.

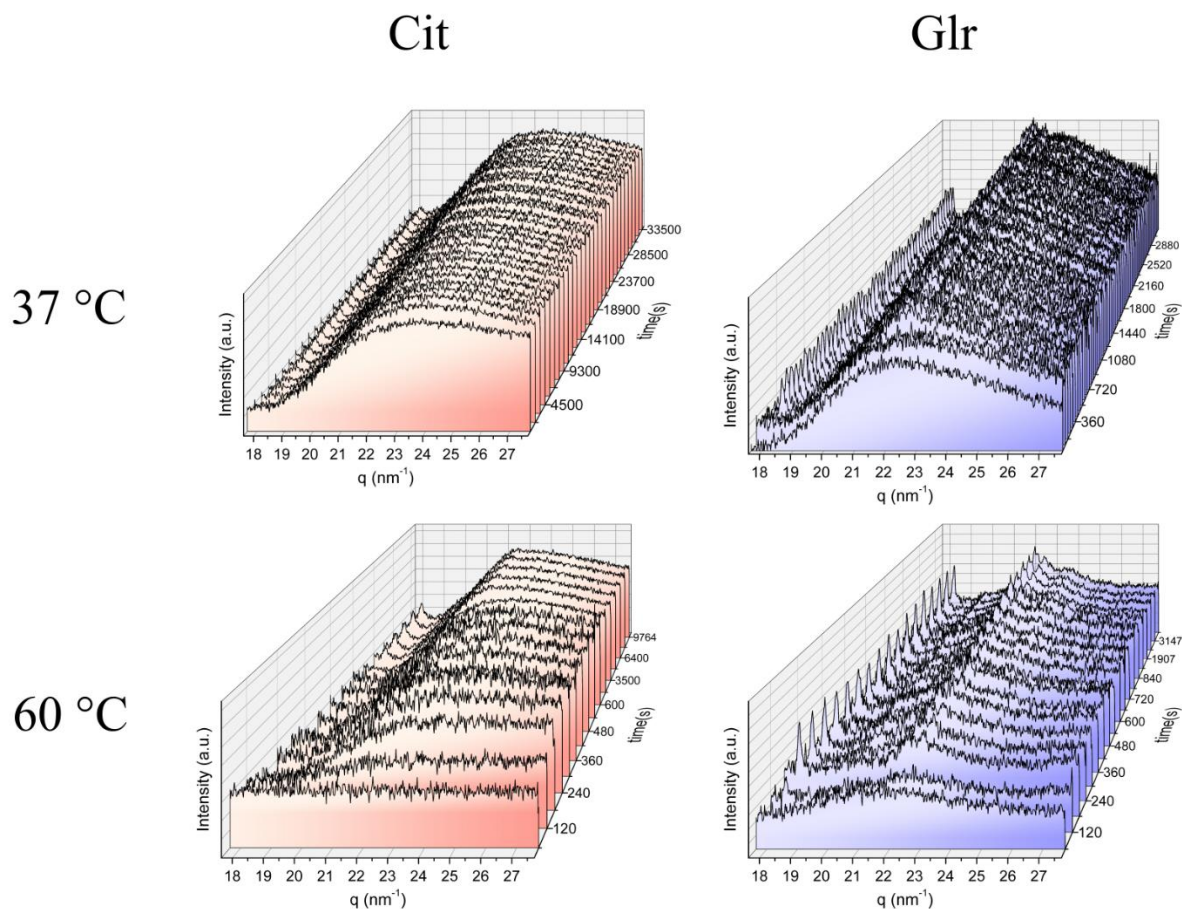


Figure S2. Stack-plots of the measured WAXS curves as a function of time during the formation of the HA nanoparticles at 37 °C and 60 °C.

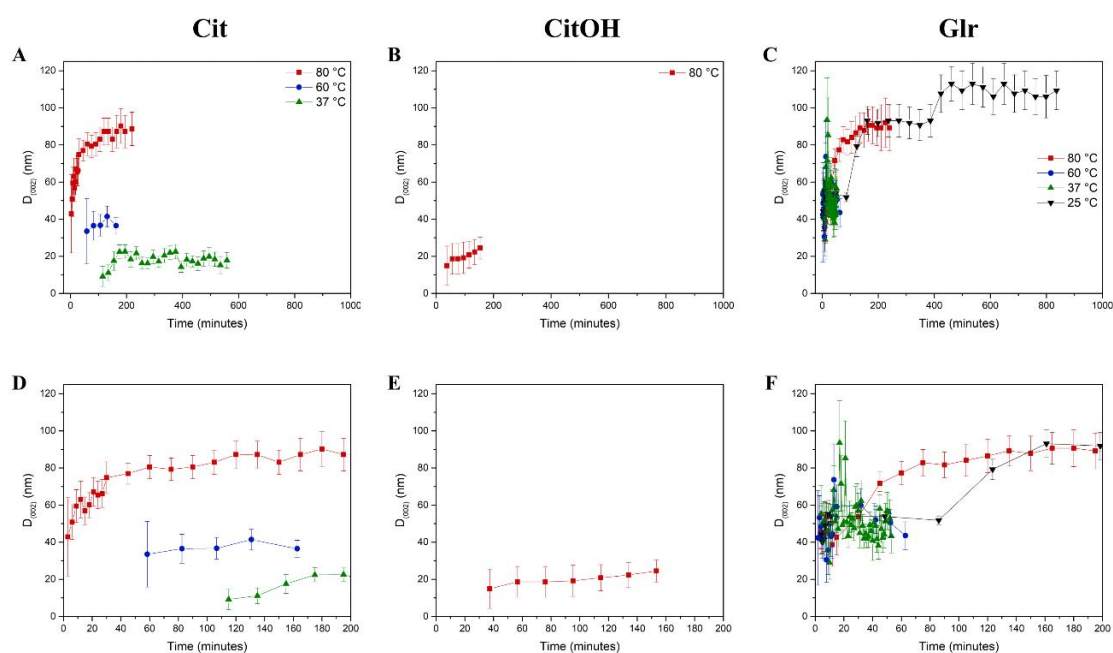


Figure S3. Time evolution of $D_{[002]}$ crystalline domains in function of reaction temperature for (A,D) Cit, (B, E) CitOH and (C,F) Glr. Figures D, E, F are an enlargement of the first 200 min of reaction.

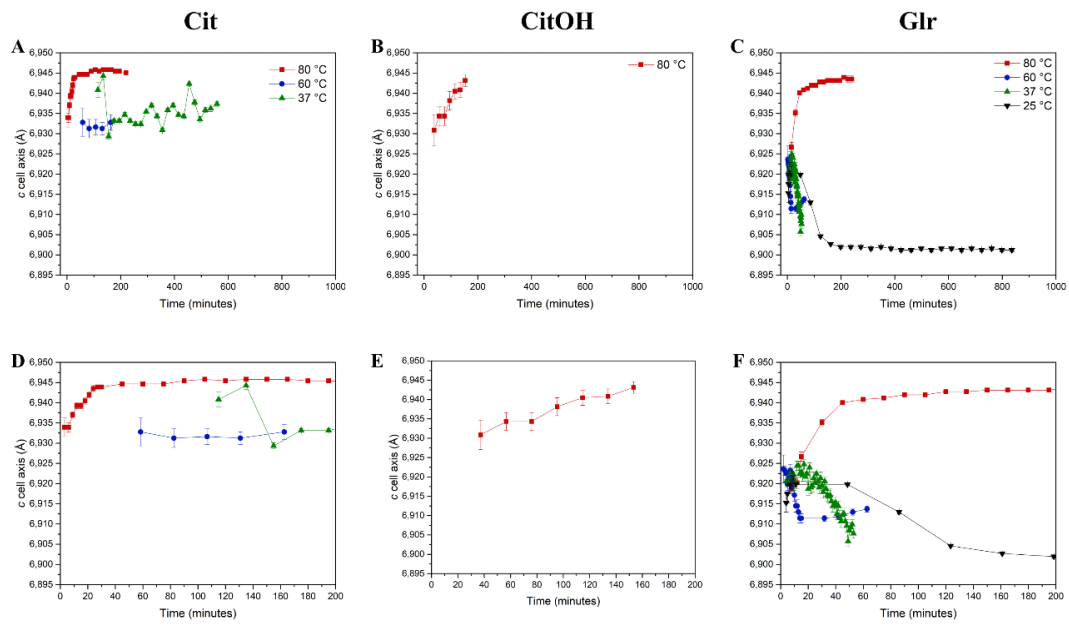


Figure S4. Time evolution of HA c-cell axis length in function of reaction temperature for (A,D) Cit, (B,E) CitOH and (C,F) Glr. Figures D, E, F are an enlargement of the first 200 min of reaction.