MSE-653 CCMX Advanced Course - Inorganic Particle Synthesis by Precipitation: From Nanoparticles to Self-organised Mesocrystals and from Theory to Practice

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Frequency

Every year

Remark

Next time 2022

Summary

The basics behind precipitation of particles in theory and in practice will be introduced. Fundamental concepts of supersaturation, nucleation, growth and aggregation will be discussed. Some basic methods used for inorganic powder and particles characterisation will also be briefly introduced.

Content

Please find information on the link below.

Keywords

precipitation; inorganic powders; supersaturation; nucleation mechanism; growth mechanism; aggregation mechanism; characterisation; reactors; sol-gel routes; aqueous; non-aqueous; thermodynamic modelling, kinetic modelling

Resources

Websites

• https://www.epfl.ch/research/domains/ccmx/2020ips/?mc_cid=cc6e51a8d0&mc_eid=1f0a525ce4