
MIS010-04

Room: 303

Time: May 23 09:45-10:00

Nanosopic Approach for Carbon Sequestration

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Extremely small growth and dissolution rate measurements are needed for the estimation of carbon sequestration speed, the rate of which has been measured by varieties of methods. Among others, advanced optical interferometry has an advantage to measure the rate as small as 10-5nm/s. Thus, this method has been applied to investigate the mechanisms related to carbon sequestration.

Keywords: carbon sequestration, crystal growth, in situ observation