

MIS010-04

会場: 303

時間: 5月23日09:45-10:00

ナノレベルでのCO₂固定化研究

Nanoscopic Approach for Carbon Sequestration

塚本 勝男^{1*}, 上田 晃²

Katsuo Tsukamoto^{1*}, Akira Ueda²

¹東北大学院理, ²京大工

¹Grad. School, Science, Tohoku Univeristy, ²Fac. Engineering, Kyoto Univ.

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.

キーワード: CO₂固定化, 結晶成長, その場観察

Keywords: carbon sequestration, crystal growth, in situ observation