

Solution-Mediated-Transformation Kinetics of Norsethite

*Harutoshi Asakawa¹, Hiroshi Uneda¹, Itaru Echigo¹, Ryuichi Komatsu¹

1. Graduate School of Sciences and Technology for Innovation Yamaguchi University

We investigated the induction periods of norsethite and withelite by polarized optical microscopy, X-ray diffraction measurements, pH measurements, inductively coupled plasma measurements and total organic carbon measurements. In this talk, we will show features of the solution-mediated-transformation kinetics of norsethite from the relation between nucleation rate and supersaturation.

Keywords: Norsethite, Solution-mediated transformation