Japan Geoscience Union Meeting 2015

(May 24th - 28th at Makuhari, Chiba, Japan) ©2015. Japan Geoscience Union. All Rights Reserved.



MIS31-P04

会場:コンベンションホール

時間:5月27日18:15-19:30

溶液での結晶溶解速度 Dissolution Rate of Crystals in Solution

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Compared to growth mechanism of crystals, dissolution mechanism has not been studied so well because the phenomena has been regarded as the reverse process of crystal growth. However the phenomena is not so simple as often has been observed in coupled-dissolution and precipitation. This mechanism has been applied to the interpretation of natural mineral dissolution or replacement, it would be important for the selection of polymorphs or chirality during dissolution of medicine or some other materials, as well as natural minerals. Some examples will be shown based on the precise dissolution rate of crystals by interferometry for discussion.

キーワード: 結晶成長, 溶解メカニズム, らせん成長, 核形成, 結晶化, 位相シフト干渉法 Keywords: crystal growth, dissolution mechanism, sprial growth, nucleation, crystallization, phase-shift interferometry