

学位論文要約

Geochemical study of organic matter in terrestrial/extraterrestrial samples using multi-probe microscopic observation based on scanning transmission X-ray microscopy

(走査型透過X線顕微分光を主軸とした複合顕微分析に基づく
地球内外有機物試料の地球化学的研究)

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Abstract

Chapter 1 Development of Compact STXM (cSTXM) at Photon Factory and cSTXM combined TEM-NanoSIMS analysis flow

Chapter 2 Investigation to the organic-inorganic interaction related to the behavior of radioactive cesium.

Chapter 3 Spatially resolved distribution of Fe species around microbe at submicron scale in the natural bacteriogenic iron oxides

Chapter 4 Morphology of organic matter at the time of primitive chondrites formation is alive in Allende

Chapter 5 Investigation of carbonaceous materials in Martian regolith breccia Northwest Africa 7034

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