

CONTENTS

M. SÖDERLUND, H. ERVANNE, E. MUURI and J. LEHTO: The sorption of alkaline earth metals on biotite	223
T. SHINTANI, H. MASUDA, K. OKAZAKI, E. EVEN, M. ONO and A. MARUI: Characterization of groundwater based on $\delta^2\text{H}$, $\delta^{18}\text{O}$ and Cl^- concentration beneath the Osaka Plain, Southwest Japan	235
M. EMOTO, K. TAKAHASHI and T. AKAGI: Characterization of settling particles in the Bering Sea and implications for vertical transportation of multiple elements by diatom frustules	249
Y. WANG, B. YU, Q. ZENG, W. GUO, J. YANG and Q. MENG: Petrogenesis and tectonic setting of the Wulong two-mica monzogranite on Liaodong Peninsula, NE China: Constraints from zircon U-Pb and Hf-O isotopic data	261
S. KAWAGUCCI and J. S. SEEWALD: Compositional and isotopic characteristics of hydrocarbons generated by a hydrothermal experiment simulating seafloor sediment alteration stepwise heating from 275 to 361°C at 30 MPa	281