8. Lists of Published Journal Papers

Solid Earth Research Group

Dynamics of the Earth and Planetary Interiors Research Subgroup

Published Journal Papers:

1. Abe, J., N. Tsuchiya, S. Furukawa and N. Hirano (2010), Properties of H₂O and CO₂ AÉuids in contact with quartz under supercritical conditions revealed by IR spectroscopy., Water-Rock Interaction, 13


16. Huang, Z., D. Zhao, N. Umino, L. Wang, T. Matsuzawa, A. Hasegawa and T. Yoshida (2010), P-wave tomography, anisotropy and seismotectonics in the eastern margin of Japan Sea., Tectonophysics, 489, 177-188
17. Huang, Z., L. Wang, D. Zhao, M. Xu et al. (2010), Upper mantle structure and dynamics beneath Southeast China., Earth Planet. Inter. 182, 161-169


34. Ogawa, Y., S. Yamasaki and N. Tsuchiya (2010), Application of a Dynamic Reaction Cell (DRC) ICP-MS in Chromium and Iron Determinations in Rock, Soil and Terrestrial Water Samples., ANALYTICAL SCIENCES, 26


38. Okamoto, A., H. Saishu, N. Hirano and N. Tsuchiya (2010), Mineralogical and textural variation of silica minerals in hydrothermal AEow-through experiments: Implications for quartz vein formation., Geochimica Cosmochimica Acta, 74


41. Saisyu, H., A. Okamoto and N. Tsuchiya (2010), Precipitation of silica minerals in hydrothermal AEow-through experiments., Water-Rock Interaction, 13


44. Sakamaki, T., E. Ohtani, S. Urakawa, A. Suzuki, Y. Katayama (2010), Density of dry peridotite magma at high pressure using an X-ray absorption method., American Mineralogist, 95, 144-147


47. Santosh, M., D. Zhao and T. Kusky (2010), Mantle dynamics of the Paleoproterozoic North China Craton: A perspective based on seismic tomography., J. Geodynam. 49, 39-53

semi-sintered ceramics as pressure-transmitting media up to 30 GPa., High Pressure Research, 30, 3, 443-450 doi: 10.1080/08957959.2010.515079


64. Wang, J. and D. Zhao (2010), Mapping P-wave anisotropy of the Honshu arc from Japan Trench to the back-arc., J. Asian Earth Sci., 396-407

66. Wei, W., D. Zhao and Y. Shi (2010), Three-dimensional P-wave tomography of the volcanic areas in southwest Japan., Earth Sci. Frontiers 17 (3), 149-157


69. Zhao, D. and L. Liu (2010), Deep structure and origin of active volcanoes in China., Geoscience Frontiers 1, 31-44


71. Zhao, D., M. Santosh and A. Yamada (2010), Dissecting large earthquakes in Japan: Role of arc magma and fluids., Island Arc, 19, 4-16


Books: