

List of Publications

[Symbols]

- JE** in Japanese with English abstract
 ° The first author
 * Researchers belonging to University of Tsukuba, not to the Doctoral Program of Earth Evolution Sciences
 ** Researchers not belonging to University of Tsukuba
 *** Undergraduate students, graduate students and auditors belonging to University of Tsukuba

Agematsu, S. (2009): Ordovician sea level change and paleogeography of the Sibumasu Terrane based on the conodont biostratigraphy. *Paleontological Research*, **13**, 327-336. (with Sashida, K.)

——— (2009): Discovery of Lower Permian radiolarian and conodont faunas from the bedded chert of the Chanthaburi area along the Sra Kaeo suture zone, eastern Thailand. *Paleontological Research*, **13**, 119-138, 2009. (with Saesaengseerung D.***, Sashida, K., and Sardud, A.**)

Anma, R. (2009): Are the Taitao granites formed due to subduction of the Chile ridge? *Lithos*, **113**, 246-258. (with , Armstrong, R., Orihashi, Y., Ike, S., Shin, K.-C., Kon, Y., Komiya, T., Ota, T., Kagashima, S., Shibuya, T., Yamamoto, S., Velosoh, E. E., Fannin, M. and Herve, F.)

——— (2009) Structural architecture and active deformation of the Nankai accretionary Prism, Japan: submersible survey results from the Tenryu Submarine Canyon. *Geological Society of America Bulletin*, **121**, 1629-1646. (with Kawamura, K.***, Ogawa, Y., Yokoyama, S.**, Kawakami, S.**, Dilek, Y., Moore, G. F., Hirano, S., Yamaguchi, A**, Sasaki, T.**, and YK05-08, Leg 2 and YK06-02 Shipboard Scientific Parties)

——— (2009): Chemical and chronologic complexity in the convecting upper mantle: Evidence from the Taitao ophiolite, southern Chile. *Geochimica et Cosmochimica Acta*, **73**, 5793-5819. (with Schulte, R. F.***, Schilling, M.**, Farquhar, J.**, Horan, M.**, Komiya, T.**, Piccoli, P. M.**, Pitcher, L.**, and Walker, R.**)

Arakawa, Y. (2009). Geology and petrology of the pre-Aso volcanic rocks distributed in the NW wall of Aso Caldera: eruption style and magma plumbing system of the pre-caldera volcanism. *Journal of the Geological Society of Japan*, **115**, 658-671 (with

Furukawa, K.***, Miyoshi, M**, Shinmura, T.**, Shibata, T.**)

Hayashi, K. (2009): Genetic aspects of the Manto-type copper deposits based on geochemical studies of north Chilean deposits. *Resource Geology*, **59**, 87-98 (with Kojima, S.***, Trista-Aguilera, D.**)

——— (2009): Cathodoluminescence study of gold-bearing conglomerate of the Witwatersrand Basin, South Africa. *Shigenchishitsu*, **59**, 199-208 (with Shindo, K.***, Wada, T.**, and Komuro, K.**) **JE**

——— (2009): Sulfide minerals in mantle xenoliths from the Kurose reef, Fukuoka Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, **104**, 182-187 (with Shindo, K.***, Komuro, K.**)

——— (2009): The sericite to advanced argillic transition: stable isotope and mineralogical characteristics from the Hugo Dummett porphyry Cu-Au deposit, Oyu Tolgoi district, Mongolia. *Economic Geology*, **104**, 1087-1110 (with Khashgerel, B.-E.***, Rye, R. O.**, and Kavalieris, I.**)

Hisada, K. Paleosol profiles in the Shiohama Formation of the Lower Cretaceous Kanmon Group, Southwest Japan and implications for sediment supply frequency. *Cretaceous Research*, **30**, 1313-1324. (Horiuchi, Y.***, Hisada, K. and Lee, Y.I.**)

——— 2009 Nature of accretion related to Paleotethys subduction recorded in northern Thailand: Constraints from mélange kinematics and illite crystallinity. *Gondwana Research*, **16**, pp.310-320. (Hara, H. **, Wakita, K.**, Ueno, K.**, Kamata, Y.**, Hisada, K., Charusiri, P.**, Charoentitirat, T.**, and Chaodumrong, P.**)

——— 2010 Geology of the Mitsumine District. Quadrangle Series, 1:50,000, Geological Survey of Japan, AIST, 110 p. (Hara, H. **, Ueno, H.**, Tsunoda, K.**, Hisada, K., Shimizu, M.**, Takeuchi, K.**, and Ozaki, M.**) **JE**

Kimata, M. (2009): Dissakisite-(Ce) chemical composition: some implications for its origins. *Physics and Chemistry of Minerals*, **37**, 255-263. (Hoshino, M. ****, Nishida, N.**, and Shimizu, M.)

——— (2009): Recent advances in crystal chemistry and isotope geochemistry of organic minerals: Contribution of oxalate polycyclic aromatic hydrocarbon minerals to new developments in mineralogy. *Japanese Magazine of Mineralogical and Petrological Sciences*, **38**, 57-74. (Echigo, T.****)(in Japanese)

- (2009): The crystal structure, origin and formation of idrialite (C₂₂H₁₄): Inferences from the microbeam and bulk analyses. *American Mineralogist*, **94**, 1325-1332. (Echigo, T. °***, Maruoka, T., Shimizu, M. and Nishida, N.)
- (2009): Polymorphic Relation between Cavansite and Pentagonite: Genetic implications of oxonium ion in cavansite. *Journal of Mineralogical and Petrological Sciences*, **104**, 241-252. (Ishida, N. °***)
- Komuro, K. (2009) Sulfide minerals in mantle xenoliths from the Kurose reef, Fukuoka Prefecture, Japan. *Journal of Mineralogical and Petrological Sciences*, **104**, 182-187, (with Shindo, K. °*** and Hayashi, K.)
- (2009) Cathodoluminescence study of gold-bearing conglomerate of the Witwatersland Basin, South Africa. *Shigenchisitsu*, **59**, 199-208. (*JE* with Shindo, K. °***, Wada, Y.*** and Hayashi, K.)
- (2009) Stability of radioactive minerals in an oxidizing hydrogeological environment: new results from an alluvial placer deposit, Naegi District, Central Japan. *Shigenchisitsu*, **59**, 209-217. (EJ with Sasao, E.*** and Nakata, M.**)
- (2009) Observation of outcrops of Makimine Besshi-type massive sulfide deposits, Miyazaki, Japan. *Shigenchisitsu*, **59**, IV-VI. (in Japanese with Nozaki, T.***, Takaya, Y.**, Hatsuya, K.**, Nakayama, K.** and Kato, Y.**)
- (2009) Long-term stability of uranium deposits in active island-arc system. *Geological Society of America Abstracts with Programs*, 170-9. (with Sasao, E.**)
- (2009) Cathodoluminescence halo in albite. *Geochimica et Cosmochimica Acta Supplement*, **73**, A945, (with Nishido, H.***, Kayama, M.**, Toyoda, S.** and Ninagawa, K.**)
- (2010) Research and development on the chemical state analysis of mercury in ores and rocks. H21 Report on the development of exploration techniques for submarine hydrothermal deposits by using mercury isotopes, 1-11. (in Japanese)
- Kurosawa, M. (2009): Preliminary analysis on the mobility of trace incompatible elements during the basalt and peridotite reaction under uppermost mantle conditions. *Physics of the Earth and Planetary Interiors*, **174**, 50-59. (with Tominaga, A.*, Kato, T., and Kubo, T.*)
- (2010): Trace-element compositions of single fluid inclusions in the Kofu granite, Japan: Implications for compositions of granite-derived fluids. *Island Arc*, **19**, 40-59. (with Ishii, S.* and Sasa, K.*)
- (2010): A Peculiar Site Preference of Boron in MgAl_{2-2x}BxO₄ (x = 0.0, 0.11, and 0.13) Spinel under High-Pressure and High-Temperature. *Zeitschrift für Anorganische und Allgemeine Chemie*, **636**, 472-475. (with Yoshiasa, A.**, Ito, T.**, Sugiyama, K.**, Nakatsuka, A.**, Okube, M.**, and Katsura T.**)
- Maruoka, T. (2009) Reply to the comment on “Arsenic release from biotite into a Holocene groundwater aquifer in Bangladesh” by Hossain M. Anwar and Martin Mihaljevič. *Applied Geochemistry*, **24**, 486-490. (with Seddique, A. A. °**, Masuda, H. **, Mitamura, M. **, Shinoda, K. **, Okudaira, T. **, Yamanaka, T. **, Itai, T. **, Uesugi, K. **. and Ahmed, K.M. **)
- (2009) The crystal structure, origin and formation of idrialite (C₂₂H₁₄): Inferences from the microbeam and bulk analyses. *American Mineralogist*, **94**, 1325-1332. (with Echigo, E. °***, Kimata, M. *, Shimizu, M. *, and Nishida, N. *)
- Sashida, K. (2009): Ordovician sea level changes and paleogeography of the Sibumasu Terrane based on the conodont biostratigraphy. *Paleontological Research*, **13**, 4, 327-336. (with Agematsu, S.°)
- (2009): Discovery of Lower Permian radiolarian and conodont faunas from the bedded chert of the Chanthaburi area along the Ara Kaeo suture zone, eastern Thailand. *Paleontologica Research*, **13**, 2, 119-138. (with Saesaengseerung, D.***, and Agematsu, S.)
- Takizawa, S. (2009): Distinguishing the origins of various amorphous materials in pseudotachylyte by transmission electron microscopy. *Journal of the Geological Society of Japan*, **115**, 503-511. (*JE* with Ozawa, K. °***)
- Tsunogae, T. (2009): The stability and origin of sodicgedrite in ultrahigh-temperature Mg-Al granulites: a case study from the Gondwana suture in southern India. *Contributions to Mineralogy and Petrology*, doi:10.1007/s00410-008-0322-0. (with Kanazawa, T.***, Sato, K.**, and Santosh, M.**)
- (2009): Geothermobarometry and fluid inclusions of dioritic rocks in Bangladesh: Implications for emplacement depth and exhumation rate. *Journal of Asian Earth Sciences*, doi:10.1016/j.jseaes.2008.10.010. (with Hossain, I.*** and Rajesh, H.M.**)
- (2009): A petrologic and laser Raman spectroscopic study of sapphirine - spinel - quartz - Mg-staurolite inclusions in garnet from Kumiloothu, southern India: Implications for extreme metamor-

- phism in a collisional orogen. *Journal of Geodynamics*, doi:10.1016/j.jog.2008.07.003. (with Sato, K.*** and Santosh, M.**)
- (2009): Ultrahigh-temperature metamorphism and decompression history of sapphirine granulites from Rajapalayam, southern India: implications for the formation of hot orogens during Gondwana assembly. *Geological Magazine*, doi:10.1017/S0016756809990100. (with Santosh, M.**)
- (2009): Microstructurally controlled monazite chronology of ultrahigh-temperature granulites from southern India: Implications for the timing of Gondwana assembly. *Island Arc*, **18**, 248-265. (with Santosh, M.***, Tsutsumi, Y.** and Iwamura, M.**)
- (2009): Spinel + quartz assemblage in granulites from the Achankovil Shear Zone, southern India: implications for ultrahigh-temperature metamorphism. *Journal of Asian Earth Sciences*, **36**(2-3), 209-222. (with Shimizu, H.*** and Santosh, M.**)
- (2009): Sapphirine + quartz assemblage from Ganguvarpatti: diagnostic evidence for ultrahigh-temperature metamorphism in central Madurai Block, southern India. *Journal of Mineralogical and Petrological Sciences*, **104**, 285-289. (with Kondou, N.***, Santosh, M.** and Shimizu, H.***)
- (2009): Prograde and retrograde hgbomites in sapphirine + quartz bearing Mg-Al rock from the Palghat-Cauvery Suture Zone, southern India. *Journal of Mineralogical and Petrological Sciences*, **104**, 319-323. (with Nishimiya, Y.***, Santosh, M.**, Dubessy, J.** and Chetty, T.R.K.**)
- (2009): Ethane-and hydrogen-bearing carbonic fluid inclusions in a high-grade metamorphic rock. *Journal of Mineralogical and Petrological Sciences*, **104**, 324-329. (with Dubessy, J.**)
- (2009): Detection of small amounts of H₂O in CO₂-rich fluid inclusions using Raman spectroscopy. *Journal of Raman Spectroscopy*, doi:10.1002/jrs.2440. (with Berkesi, M.***, Hidas, K.**, Guzmics, T.**, Dubessy, J.**, Bodnar, R.J.**, Szabo, C.** and Vajna, B.**)
- (2009): Pressure-Temperature-Fluid History of Permo-Triassic Hida Metamorphic Rocks in Odori-gawa Area, Central Japan. *International Association for Gondwana Research Conference Series*, **8**, 75-76. (with Nishimiya, Y.***)
- (2009): First report of orthopyroxene + sillimanite + quartz assemblage from the northern Madurai Block along the Gondwana suture in southern India: implications for ultrahigh-temperature metamorphism. *International Association for Gondwana Research Conference Series*, **8**, 59-60. (with Shimizu, H.*** and Santosh, M.**)
- (2009): Geochronological constraints on the birth and demise of the Paleo-Mozambique Ocean floor during mid to latest Neoproterozoic: Implications for a subduction-collision history of the Gondwana suture in southern India. *International Association for Gondwana Research Conference Series*, **8**, 6-7. (with Sato, K.***, Santosh, M.**, Chetty, T.R.K.** and Hirata, T.**)
- (2009): Sapphirine + quartz from the Southern Granulite Terrane: diagnostic evidence for ultrahigh-temperature metamorphism within a Gondwana collisional orogen in southern India. *International Association for Gondwana Research Conference Series*, **8**, 17-19. (with Santosh, M.**)
- (2009): Fluid characteristics of retrogressed eclogites and mafic granulites from the Cambrian Gondwana suture zone in southern India. *Contributions to Mineralogy and Petrology*, doi:10.1007/s00410-009-0431-4. (with Santosh, M.***, Shimizu, H.*** and Dubessy, J.**)
- (2009): Sapphirine + quartz corona around magnesian (X_{Mg} ~0.58) staurolite from the Palghat-Cauvery Suture Zone, southern India: Evidence for high-pressure and ultrahigh-temperature metamorphism within the Gondwana suture. *Lithos*, doi:10.1016/j.lithos.2009.10.012. (with Nishimiya, Y.*** and Santosh, M.**)
- (2009): The Manamedu Complex: Geochemical constraints on Neoproterozoic suprasubduction zone ophiolite formation within the Gondwana suture in southern India. *Journal of Geodynamics*, doi:10.1016/j.jog.2009.12.004. (with Yellappa, T.***, Chetty, T.R.K.** and Santosh, M.**)
- Yagi, Y. (2009): Deformation of the Earth's crust in the Northern Tien Shan according to the earthquake focal data and satellite geodesy. *Izvestiya-Physics of the Solid Earth*, **46**, 3, 230-243. (with Kostyuk, A. D.***, Sycheva, N. A.**, Yunga, S. L.**, Bogomolov, L. M.**)
- (2009): Developments of seismic source analysis Method, *Zisin (2)*, **61**, S297-S307. *JE*