

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. (2010): Panthalassan seamount-associated Permian-Triassic boundary siliceous rocks, Mino Terrane, central Japan. *Paleontological Research*, **14**, 293-314, 2010 (with Sano, H.^{◦**}, Kuwahara, K.^{**} and Yao, A.^{**}).

——— (2010): Establishment of the Lower and Middle Ordovician biostratigraphy in the Langkawi Islands, Malaysia. *Journal of Geography*, **119**, 872-877. (in Japanese)

——— (2010): Global Upper Ordovician correlation by means of $\delta^{13}\text{C}$ chemostratigraphy: Implications of the discovery of the Guttenberg $\delta^{13}\text{C}$ excursion (GICE) in Malaysia. *Geological Magazine*, **147**, 641-651 (with Bergström, S.M.^{◦**} and Schmitz, B.^{**})

Anma, R. (2010): Structure, texture and physical properties of accretionary prism sediments and fluid flow near the splay fault zone in the Nankai Trough, off Kii Peninsula. *Jour. Geol.Soc. Japan*, **116**, 637-660 (with Ogawa, Y.^{*}, Kawamura, K.^{**}, Moore, G.^{**}, Sasaki, T.^{**}, Kawakami, S.^{**}, Hirano, S.^{**}, Ota, T.^{**}, Endo, R.^{**}, Michiguchi, Y.^{**} and YK05-08 Shipboard Science Party^{**}).

——— (2010): Spaceborne ASTER image analyses revealed compositional variation of the Viedma volcano in Andean Volcanic Zone. *Andean Geology*, **37**(2), 433-441 (with Kobayashi, C.^{**}, Orihashi, Y.^{**}, Hirata, D.^{**}, Naranjo, J. A.^{**}, Kobayashi, M.^{**}).

Arakawa, Y. (2010): Petrological and geochemical characteristics and magma plumbing systems of Niiijima volcano, Izu volcanic arc, Japan. *Eos Trans. AGU*, **91**(26), *West Pacific Geophys. Meet. Suppl., Abstract V42A-02*. (with Endo, D.^{◦***}, Oshika, J.^{◦***}, Shinmura, T.^{**}, and Mori, Y.^{**}).

——— (2010): Petrogenesis of basanite magma in Izu-Bonin Volcanic Arc. *Eos Trans. AGU*, **91** (26), *West Pacific Geophys. Meet. Suppl., Abstract V42A-03*.

(with Oshika, J.^{◦***}, Endo, D.^{***}, Shinmura, T.^{**} and Mori, Y.^{**}).

——— (2010): Trace elements in anorthite megacrysts from West Japan volcanic belt. *Acta Mineralogical-Petrographica, Abstract Series*, **6**, 433, 20th General Meet. of the Intern. Mineral. Assoc., Budapest, Hungary (with Matsui, T.^{◦**} and Kimata, M.^{◦*}).

Fujino, S. (2010): Detailed measurements of thickness and grain-size of widespread onshore tsunami deposit, southwestern Thailand. *Island Arc*, **19**, 389-398. (with Naruse, H.^{**}, Matsumoto, D.^{**}, Sakakura, N.^{**} and Jarupongsakul, T.^{**})

——— (2010): Features and formation processes of multiple deposition layers from the 2004 Indian Ocean Tsunami at Ban Nam Kem, southern Thailand. *Island Arc*, **19**, 399-411. (with Naruse, H.^{◦**}, Suphawajruksakul, A.^{**} and Jarupongsakul, T.^{**})

——— (2010): Bridging the gap separating geological studies and disaster mitigation countermeasures for earthquakes and tsunami Preface. *Island Arc*, **19**, 371-373. (with Goto, K.^{◦**} and Fujiwara, O.^{**})

Hisada, K. (2010): 'Thailand was a desert' during the mid-Cretaceous: Equatorward shift of the subtropical high-pressure belt indicated by eolian deposits (Phu Thok Formation) in the Khorat Basin, northeastern Thailand. *Island Arc*, **19**, 605-621. (Hasegawa, H.^{◦**}, Imsamut, S.^{**}, Charusiri, P.^{**}, Tada, R.^{**}, and Horiuchi, Y.^{**})

——— (2010): Geological and geochemical aspects of a Devonian siliceous succession in northern Thailand: Implications for the opening of the Paleo-Tethys. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **297**, 452-464. (Hara, H.^{◦**}, Kurihara, T.^{**}, Kuroda, J.^{**}, Adachi, Y.^{**}, Kurita, H.^{**}, Wakita, K.^{**}, Charusiri, P.^{**}, Charoentitirat T.^{**} and Chaodumrong, P.^{**})

——— (2011): Paleo-environments and tectonic setting of the Mesozoic Thung Yai Group in Peninsular Thailand, with a new record of *Parvamussium donaiense* Mansuy, 1914. *Gondwana Research*, **19**, 47-60. (Saengsrichan, W.^{◦**}, Charoentitirat, T.^{**}, Meesook, A.^{**} and Charusiri, P.^{**})

Kimata M. (2010): Crystal chemistry and genesis of organic minerals: A review of oxalate and polycyclic aromatic hydrocarbon minerals. *The Canadian Mineralogist*, **48**, 1329-1358. (Echigo, T.^{◦***}).

Komuro, K. (2010) Rere Metal Textbook (7) Uranium.

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- (2010) Ni-Cu Mineralization Within the Oshirabetsu Gabbroic Complex in the Hidaka Metamorphic Belt, Hokkaido, Japan. *11th Internat. Platinum Symp.*, **269**. (with Shindo, K.*** and Hayashi, K.*)
- (2010) Cathodoluminescence of albite activated by alpha-particle induced luminescence centers. *Goldschmidt Confé Abstract 2010*, A762. (with Nishido, H.***, Kayama, M.***, Toyoda, S.***, and Ninagawa, K.***)
- (2011) Research and development on the chemical state analysis of mercury in ores and rocks. *H22 Report on the development of exploration techniques for submarine hydrothermal deposits by using mercury isotopes*, 1-16. J
- Kurosawa, M. (2010): Trace-element analysis of fluid inclusions in the Tsushima granite, Japan. *Annual Report, Tandem Accelerator Center, University of Tsukuba*, **79**, 37-38, (with Ishii, S.* and Sasa, K.*).
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- Maruoka, T. (2010) :Variations in the redox state of As and Fe measured by X-ray absorption spectroscopy in aquifers of Bangladesh and their effect on As adsorption. *Applied Geochemistry*, **25**, 34-47 (with Itai, T.***, Takahashi, Y.***, Seddique, A. A.***, and Mitamura, M.***)
- (2010) Stable carbon isotope ratios ($\delta^{13}\text{C}$) in solvents of chlorinated volatile organic compounds (CVOCs) : For clarification of natural attenuation in groundwater contamination by CVOCs. *Nihon Chikasu Gakkaiishi*, **52**, 87-96. (with Saito, K.***, Tase, N.*, Tsujimura, M.* and Nakajima, M.***)**.JE**
- (2010) Geochemical study of arsenic and other trace elements in groundwater and sediments of the Old Brahmaputra River Plain, Bangladesh. *Environmental Earth Sciences*, **60**, 1303-1316 (with Ahmed, F.***, Bibi, M.H.***, Ishiga, H.***, Fukushima, T.*).
- Sashida, K. (2011): Earliest Cretaceous initial spicule-bearing spherical radiolarians from the Mariana Trench. *Journal of Paleontology*, **85**, 92-101. (with Li, Q.***, and Ogawa, Y.)
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- (2010): Fluid characteristics of retrogressed eclogites and mafic granulites from the Cambrian Gondwana suture zone in southern India. *Contributions to Mineralogy and Petrology*, **159**, 349-369. (with Santosh, M.***, Shimizu, H.***, and Dubessy, J.***)
- (2010): 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*, **114**, 490-502. (with Nishimiya, Y.*** and Santosh, M.***)
- (2010): Field occurrence of cordierite gneiss and related ultrahigh-temperature granulites from the Achankovil Shear Zone, southern India. *Earth Evolution Sciences*, **4**, 13-22. (with Shimizu, H.***)
- (2010): Laser ablation ICP mass spectrometry for zircon U-Pb geochronology of ultrahigh-temperature gneisses and A-type granites from the Achankovil Suture Zone, southern India. *Journal of Geodynamics*, **50** (3-4), 268-285. (with Sato, K.***, Santosh, M.***, Kon, Y.***, Yamamoto, S.***, and Hirata, T.***)
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- Magazine*, **147** (5), 777-788. (with Santosh, M.^{o**}, Rajesh, V.J.^{**}, and Arai, S.^{**})
- (2010): Sapphirine + quartz assemblage from the Southern Granulite Terrane, India: diagnostic evidence for ultrahigh-temperature metamorphism within the Gondwana collisional orogen. *Geological Journal*, doi: 10.1002/gj.1244. (with Santosh, M.^{**})
- (2010): The stability of sapphirine + quartz assemblage in magnetite-bearing high oxygen fugacity granulites: a case study of the Southern Granulite Terrane, India. *International Association for Gondwana Research Conference Series*, **9**, 66-67. (with Shimizu, H.^{o***}, Santosh, M.^{**}, Clark, C.^{**}, and Korhonen, F.^{**})
- (2010): Fluids in high- to ultrahigh-temperature metamorphism along collisional sutures: evidence from fluid inclusions. *International Association for Gondwana Research Conference Series*, **9**, 96-97. (with Santosh, M.^{**})
- (2010): High-pressure mafic granulites from Perundurai and Kanja Malai in the Palghat-Cauvery Suture Zone, southern India. *International Association for Gondwana Research Conference Series*, **9**, 98-99. (with Saitoh, Y.^{o***}, Santosh, M.^{**}, Shimizu, H.^{o***}, Chetty, T.R.K.^{**}, and Horie, K.^{**})
- (2010): Pressure-temperature evolution and SHRIMP geochronology of Neoproterozoic ultrahigh-temperature metamorphic rocks from Rajapalaiyam in the Madurai Block, southern India. *International Association for Gondwana Research Conference Series*, **9**, 100-101. (with Shimizu, H.^{o***}, Santosh, M.^{**}, Clark, C.^{**}, and Korhonen, F.^{**})
- (2010): Subduction-accretion-collision history along the Gondwana suture in southern India; A laser ablation ICP-MS study of zircon chronology. *Journal of Asian Earth Sciences*, doi: 10.1016/j.jseaes.2010.08.008. (with Sato, K.^{o**}, Santosh, M.^{**}, Chetty, T.R.K.^{**}, and Hirata, T.^{**})
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- (2010): Neoproterozoic high-pressure metamorphism from the northern margin of the Palghat-Cauvery Suture Zone, southern India: petrology and zircon SHRIMP geochronology. *Journal of Asian Earth Sciences*, doi:10.1016/j.jseaes.2010.11.015. (with Saitoh, Y.^{o***}, Santosh, M.^{**}, Chetty, T.R.K.^{**}, and Horie, K.^{**})
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- Ujiie, K. (2010): High-velocity frictional properties of clay-rich fault gouge in a megasplay fault zone, Nankai subduction zone. *Geophysical Research Letters*, **37**, L24310, doi:10.1029/2010GL046002 (with and Tsutsumi, A.^{**}).
- (2010): Geological record of thermal pressurization and earthquake instability of subduction thrusts. *Tectonophysics*, **485**, 260–268 (with Kameyama, M.^{**}, Yamaguchi, A.^{**}).
- (2010): Costa Rica seismogenesis project (CRISP): Sampling and quantifying input to the seismogenic zone and fluid output. *IODP Scientific Prospectus*. **334**. doi:10.2204/iodp.sp.334.2010. (with Vannucchi, P.^{o**}, Gamage, K.^{**})
- Yagi, Y. (2011): Depth dependence of rupture velocity in deep earthquakes. *Geophys. Res. Lett.*, **38**, L05308, doi:10.1029/2011GL046807. (With Suzuki, M.^{o*})
- (2011): The tsunami vulnerability assessment in Peru using the index of Potential Tsunami Exposure, *8CUEE CONFERENCE PROCEEDINGS*, 1591-1595 (with Yanagisawa, H.^{**}, Koshimura, S.^{**}, Shoji, G.^{**}, Jimenez, C.^{**}).