



缔约国会议

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特别会议

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选举大陆架界限委员会一名成员

日本政府提名的候选人简历

卜部哲郎 (Urabe, Tetsuro)
(日本)

个人详细资料

国籍：日本
出生日期：1949 年 1 月 10 日
电话：(81-3) 58414542
传真：(81-3) 58412534
电子邮件：urabe@eps.s.u-tokyo.ac.jp
办公地址：7-3-1 Hongo, Bunkyo-ku, Tokyo 13-0033

教育

1976 年获东京大学地质学博士
1973 年获东京大学地质学硕士
1971 年获东京大学地质矿物学理学士

现任职务

2008 年至今，任东京大学海洋联盟副执行主任
2007 年至今，放送大学兼职教授
2000 年至今，任东京大学地球与行星科学系教授

专业经验

2006–2007 年，东京大学地球与行星科学系教授
1996–2000 年，日本地质调查所首席地质学家¹
1992–1996 年，日本地质调查所实验矿物学科科长
1990–1991 年，日本地质调查所研究规划办公室副主任
1985–1992 年，日本地质调查所高级研究地质学家
1979–1981 年，加拿大多伦多大学地质系访问研究员
1976–1985 年，东京大学地质研究所助理教授

研究活动

我目前的研究兴趣主要集中在以下方面：(a) 大洋中脊和弧-弧后系统上的海底热液活动；(b) 与热液活动有关的块状硫化物矿床和作为深海矿产资源的铁锰结壳矿床；(c) 海底以下生物圈的微生物地球化学；(d) 热液系统内及其引发的地球化学循环；(e) 陆地和海底的“稀有金属”矿产资源。我曾并继续牵头进行许多重大的海洋研究项目，其中包括：日本-法国-南太地科委有关北斐济海盆的构造和热液活动的 STARMER 项目(1987–1991 年)；日本-美国有关东太平洋海隆超快速蔓延的热液强度的 RidgeFlux 项目(1993–1998 年)；与海底热液活动有关的深部生物圈的太古宙园项目(2000–2006 年)；目前在进行的 TAIGA 项目(2008–2012 年；见 <http://www.gbs.eps.s.u-tokyo.ac.jp~taiga/en/index.html>)。

巡航考察经验(*作为首席研究员或共同研究员)

2011 年 5 月	* “Hakureimaru No.2/BMS 号” 研究船巡航至日本冲绳海槽 (TAIGA 项目)
2010 年 6 月	* “Hakureimaru No.2/BMS 号” 研究船巡航至南马里亚纳海槽 (TAIGA 项目)
2009 年 2 月	* “Natshushima/RO V Hyper Dolphin 号” 研究船巡航至西北太平洋 Takuyo-Daigo 海山(日本海洋地球科学技术局巡航)
2004 年 6 月	*综合大洋钻探方案“JOIDES Resolution Leg 301 号” 研究船前往东北太平洋胡安·德富卡海脊
2004 年 1 月	* “Hakureimaru No.2/BMS 号” 研究船巡航至西北太平洋南马里亚纳海槽(太古宙园区项目)

¹ 日本通商产业省工业科学和技术机构日本地质调查所：日本地质调查所于 2001 年重组成为国家先进工业科学和技术研究所。

2002 年 7 月	*“Hakureimaru No. 2/BMS 号”研究船钻探巡航至伊豆-小笠(太古宙园区项目)
2001 年 6 月	*“Hakureimaru No. 2/BMS 号”研究船(系留海洋钻探)钻探巡航至日本伊豆-小笠原弧(日本-美国)
1998 年 9 月	*“Yokosuka/Shinkai 6500 号”研究船潜水巡航至东太平洋海隆(日本-美国)
1995 年 10 月	*“Yokosuka/Shinkai 6500 号”研究船巡航至巴布亚新几内亚(日本-巴布亚新几内亚-南太地科委)
1994 年 9 月	*“Yokosuka/Shinkai 6500 号”研究船潜水巡航至东太平洋海隆(日本-美国)
1993 年 11 月	*“R/ V Melville 号”研究船巡航至东太平洋海隆南部(日美海脊通量项目)
1991 年 12 月	*“Suroit/Cyana 号”研究船潜水巡航至瓦努阿图(日本-法国-南太地科委 STARMER 项目)
1991 年 8 月	*“Yokosuka/Shinkai 6500 号”研究船潜水巡航至北斐济海盆(日本-法国-南太地科委 STARMER 项目)
1989 年 6 月	“Nadir/Nautil 号”研究船潜水巡航至北斐济海盆(日本-法国-南太地科委 STARMER 项目)
1987 年 7 月	“VAtlantir II/Alvin 号”研究船潜水巡航至西北太平洋伊豆-小笠原弧(美国-日本巡航)
1986 年 5 月	“Natsushima/Shinkai 2000 号”研究船潜水巡航至西北太平洋伊豆-小笠原弧(日本地质调查所巡航)
1985 年 9 月	“VAtlantir II/Alvin 号”研究船潜水巡航至厄瓜多尔沿海加拉帕戈斯裂谷(NOAA 考察)
1985 年 6 月	“Nadir/Nautil 号”研究船潜水巡航至日本南海海槽(日本-法国 KAIKO 项目) (还有 12 次巡航至东部和西部太平洋海盆)

专业服务经验:

2010 至今	日本科学理事会联系成员
2003 年至今	日本内阁厅大陆架延伸咨询委员会成员

- 2006 年至今 日本经济产业省自然资源和能源咨询委员会小组委员会成员和主席
- 2008-2010 年 资源地质学会会长
- 1993-1997 年 《经济地质学》编委会成员
- 1993-1995 年 《矿床》编委会成员
- 1988-1990 年 《采矿地质学》总编(东京)

专业协会

经济地质学家学会

美国地球物理联盟

资源地质学会

日本地质学会

日本地理学会

日本地球化学学会

海洋政策学会

著作选目

Kawada, Y., Seama, N., and Urabe, T.(201 1). The role of seamounts in the transport of heat and fluids: Relations among seamount size, circulation patterns, and crustal heat flow. *Earth and Planetary Science Letters*, 306, 55 65.

Yanagawa, K., Sunamura, M., Lever, M. A., Morono, Y., Hiruta, A., Ishizaki, O., Matsumoto, R., Urabe, T., and Inagaki, F. (201 1). Niche separation of methanotrophic Archaea (ANME-1 and -2) in methane-seep sediments of the Eastern Japan Sea offshore Joetsu. *Geomicrobiology Journal*, 28(2), 118-129 I: 10 .1080/01490451003709334).

Urabe, T., Okino, K., Sunamura, M., Ishibashi, J., Takai, K., and Suzula, K. (2009). Transcrustal advections and in-situ biogeochemical processes of global seafloor aquifer; the sub-seafloor TAIGA. *Journal of Geogrphy*, 118(6), 1027-1 036 (in Japanese with English abstract).

Mori, K., Yamaguchi, K., Sakiyama, Y., Urabe, T., and Suzuki, I. (2009). *Caldisericum exile* gen. nov., sp nov., an anaerobic, thermophilic, filamentous bacterium of a novel bacterial phylum, *Caldserica* phyl. nov., originally called the candidate phylum OP5, and description of *Caldiseriaceae* fam. nov., *Caldisericales* ord. nov and *Caldisericia* classis nov. *International Journal of Systematic and Evolutionaty Microbiology*, 59, 2894-2898.

Kato, S., Yanagawa, K., Sunamura, M., Takano, Y., Ishibashi, J., Kakegawa, T., Utsumi, M., Yamanaka, T., Toki, T., Noguchi, T., Kobayashi, K., Moroi, A., Kimura, H., Kawarabayasi, Y., Marumo, K., Urabe, T., and Yamagishi, A. (2009b). Abundance of Zetaproteobacteria within crustal fluids in back-arc hydrothermal fields of the Southern Mariana Trough. *Environmental Microbiology*, doi:10.1111/j.1462-2920.2009. 02031.x.

Kato, S., Hara, K., Kasai, H., Teramura, T., Sunamura, M., Ishibashi, J., Kakegawa, T., Yamanaka, T., Kimura, H., Marumo, K., Urabe, T., and Yamagishi, A. (2009a). Spatial distribution, diversity and composition of bacterial communities in sub-seafloor fluids at a deep-sea hydrothermal field of the Suiyo Seamount. *Deep-Sea Research Part I*, 56(10), 1844-1855.

Yanagawa, K., Sunamura, M., Morono, Y., Futagami, T., de Beer, D., Urabe, T., Boetius, A., and Inagaki, F. (2009). Distribution of metabolically active microbial communities in CO₂-rich marine sediments. *Geochimica et Cosmochimica Acta*, 73, A1472-A1472 (Abstract).

Urabe, T., Iizasa, K., and Ishibashi, J. (2009). The latest frontier of earth science and its application to mineral exploration: Submarine hydrothermal deposits as modern analogy. *Resource Geology*, 59(1), 43-72 (In Japanese with English abstract).

Mori, K., Sunamura, M., Yanagawa, K., Ishibashi, J., Miyoshi, Y., Iino, T., Suzuki K., and Urabe, T. (2008). First cultivation and ecological investigation of a bacterium affiliated with the candidate phylum OP5 from hot springs. *Applied and Environmental Microbiology*, 74, 6223-6229.

Marumo, K., Urabe, T., Goto, A., Takano, Y., and Nakaseama, M. (2008). Mineralogy and isotope geochemistry of active submarine hydrothermal field at Suiyo Seamount, Izu-Bonin Arc, West Pacific Ocean. *Resource Geology*, 58, 220-248 (Best Article Award).

Urabe, T., Chiba, H., and Kato, Y. (2008). IMA Kobe 2006 Special Issue: Seafloor hydrothermal deposits of arc-backarc systems in western Pacific. *Resource Geology*, 58, 205 (Preface).

Mori, K., Maruyama, A., Urabe, T., Suzuki, K., and Hanada, S. (2008). *Archaeoglobus infectus* sp. nov. a novel thermophilic, chemolithoautotrophic archaeon isolated from a deep-sea rock collected at Suiyo Seamount, Izu-Bonin Arc, western Pacific Ocean. *International Journal of Systematic and Evolutionary Microbiology*, 58, 810-816.

Ishibashi, J., Marumo, K., Maruyama, A., and Urabe, T. (2007). Direct access to the sub-vent biosphere by shallow drilling. *Oceanography*, 20(1), 24-25.

Behrmann, J. H., Yang, J. and CoZone Working Group (2007). Convergent Plate Boundaries and Collision Zones. In: Harms, U., Koeberl, C., and Zoback, M. D., eds., *Continental Scientific Drilling: A Decade of Progress, and Challenges for the Future*. Springer, Heidelberg, pp. 289-334.

Kinoshita, M., Kawada Y., Tanaka A., and Urabe, T. (2006). Recharge/discharge interface of a secondary hydrothermal circulation in the Suiyo Seamount of the Izu-Bonin Arc, identified by submersible-operated heat flow measurements. *Earth and Planetary Science Letters*, 245, 498-508.

Takano, Y., Edazawa, Y., Kobayashi, K., Urabe, T., and Marumo, K. (2005). Evidence of sub-vent biosphere: enzymatic activities in 308 degrees C deep-sea hydrothermal systems at Suiyo Seamount, Izu-Bonin Arc, western Pacific Ocean. *Earth and Planetary Science Letters*, 229, 193-203.

Kuwabara, T., Minaba, M., Iwayama, Y., Inoue, I., Nakashima, M., Marumo, K., Maruyama, A., Sugai, A., Itoh, T., Ishibashi, J., Urabe, T., and Kamekura, M. (2005). *Thermococcus coalescens* sp. nov., a cell-fusing hyperthermophilic archaeon from Suiyo Seamount. *International Journal of Systematic and Evolutionary Microbiology*, 55, 2507-2514.

- Hara, K., Kakegawa, T., Yamashiro, K., Maruyama, A., Ishibashi, J., Marumo, K., Urabe, T., and Yamagishi, A. (2005). Analysis of the Archaeal sub-seafloor community at Suiyo Seamount on the Izu-Bonin Arc. *Advances in Space Research*, 35(9), 1634-1642.
- Fisher, A. T., Urabe, T., Klaus, A., and the IODP Expedition 301 Scientists (2005). IODP Expedition 301 installs three borehole crustal observatories, prepares for three-dimensional, cross-hole experiments in the north-eastern Pacific Ocean. *Scientific Drilling*, 1(1), 6-11.
- Urabe, T., Maruyama, A., Marumo, K., Seama, N., and Ishibashi, J. (2005). The Archaeal Park Project: Interaction between microbiological and geological processes in deepsea hydrothermal vent and sub-vent environments. *Oceanography in Japan*, 14(2), 129-137 (In Japanese with English abstract).
- Kubota, H., Urabe, T., Yamada, R., and Tanimura, S. (2004). Exploration indices and mineral potential map of the Kuroko deposits in northeast Japan. *Resource Geology*, 54, 387-397.
- Urabe, T., and Kubota, H. (2004). Kuroko deposits revisited after the discovery of their modern analogues on submarine arc volcanoes. *Resource Geology*, 54, 385-386.
- Fisher, A. T., Urabe, T., and shipboard scientific party (2004). Integrated Ocean Drilling Program Expedition 301 Preliminary Report: The hydrogeologic architecture of basaltic oceanic crust: compartmentalization, anisotropy, microbiology, and crustalscale properties on the eastern flank of Juan de Fuca Ridge, eastern Pacific Ocean. 121P, IODP, College Station, Texas, United States of America.
- Takano, Y., Kobayashi, K., Yamanaka, T., Marumo, K., and Urabe, T. (2004). Amino acids in the 308 degrees C deep-sea hydrothermal system of the Suiyo Seamount, Izu-Bonin Arc, Pacific Ocean. *Earth and Planetary Science Letters*, 219(1-2), 147-153.
- Higashi, Y., Sunamura, M., Kitamura, K., Nakamura, K., Kurusu, Y., Ishibashi, J., Urabe, T., and Maruyama, A. (2004). Microbial diversity in hydrothermal surface to subsurface environments of Suiyo Seamount, Izu-Bonin Arc, using a catheter-type in situ growth chamber. *FEMS Microbiology Ecology*, 47(3), 327-336.
- Nakagawa, T., Ishibashi, J., Maruyama, A., Yamanaka, T., Morimoto, Y., Kimura, H., Urabe, T., and Fukui, M. (2004). Analysis of dissimilatory sulfite reductase and 16S rRNA gene fragments from deep-sea hydrothermal sites of the Suiyo Seamount, Izu-Bonin Arc, western Pacific. *Applied and Environmental Microbiology*, 70(1), 393-403.
- Maruyama, A., and Urabe, T. (2003). New approach to unknown biosphere under seafloor hydrothermal sites. *Journal of Geography*, 112(2), 300-322 (In Japanese with English abstract).
- Ishibashi, J., Yamanaka, T., Marumo, K., and Urabe, T. (2003). Hydrothermal interaction with volcanoclastic sediment beneath the Suiyo Seamount submarine caldera, Izu-Bonin Arc. *Geochimica et Cosmochimica Acta*, 67(18S), A174-A174.
- Horiuchi, T., Kobayashi, K., Takano, Y., Marumo, K., Nakashima, M., Yamagishi, A., Ishibashi, J., and Urabe, T. (2003). Organics in chimneys and water samples from deepsea hydrothermal systems: Implications for sub-vent biosphere. *Biological Sciences in Space*, 17, 190-191.

- Takano, Y., Horiuchi, T., Kobayashi, K., Marumo, K., and Urabe, T. (2003). Large enantiomeric excesses of L-form amino acids in deep-sea hydrothermal sub-vent of 156 degrees C fluids at the Suiyo Seamount, Izu-Bonin Arc, Pacific Ocean. *Chemistry Letters*, 32(10), 970-971
- Nakagawa, T., Hanada, S., Maruyama, A., Marumo K., Urabe, T., and Fukui, M. (2002). Distribution and diversity of thermophilic sulfate-reducing bacteria within a Cu-Pb-Zn mine (Toyoha, Japan). *FEMS Microbiology Ecology*, 41, 199-209.
- Takano, .Y, Edazawa, Y., Horiuchi, T., IGneko, T., Kobayashi, K., Marumo, K., and Urabe, T. (2002). Investigation of submarine hydrothermal sub-vent biosphere as a model of search for extraterrestrial life. *Biological Sciences in Space*, 16, 199-200.
- Gena, K., Mizuta, T., Ishiyama, D., and Urabe, T. (2001). Acid-sulphate type alteration and mineralization in the Desmos Caldera, Manus Back-arc Basin, Papua New Guinea. *Resource Geology*, 51, 31-44.
- Urabe, T., Maruyama, A., Marumo, K., Seama, N., and Ishibashi, J. (2001). The Archaeal Park Project Update. *InterRidge News*, 10 (1), 23-25.
- Urabe, T., Maruyama, A., Marumo, K., Seama, N. Ishibashi, J., and Naganuma, T. (2000). The Archaeal Park Project: Interactions between subsurface-vent biosphere and the geo-environment. *InterRidge News*, 9 (1), 34-36.
- Embley, R. W., Lupton, J. E., Massoth, G., Urabe, T., Tunncliffe, V., Butterfield, D.A., Shibata, T., Okano, O., Kinoshita, M., and Fujioka, K. (1998). Geological, chemical, and biological evidence for recent volcanism at 17.5° S: East Pacific Rise. *Earth and Planetary Science Letters*, 163,131-147.
- Maruyama, A., Urabe, T., Ishibashi, J., Feely, R. A., and Baker, E. T. (1998). Global hydrothermal primary production rate estimated from the southern East Pacific Rise. *Cahiers de Biologie Marine*, 39, 249-252.
- Urabe, T., Fujioka, K., Mitsuzawa, K., Fujimoto, H., Matsubayashi, O., Mochizuki, M., Nagaya, Y., Nakamura, K., Nishimura, K., Okamura, K., Sayanagi, K., Sugawara, T., Tonnerre, T., Tsumune, D., Walker, M., Kinoshita, M., Shibata, T., Joshima, M., Cowen, J., Maruyama, A., Roe, K., Shitashima, K., Ishibashi, J., Sakamoto, I., Ytow, N., and Kodera, T. (1998). Japanese Ridge Flux Project Group has started Long-term Sea Floor Monitoring in the Southern East Pacific Rise. *InterRidge News*, 7(1), 41-44.
- Gena, K., Mizuta, T., Ishiyama, D., and Urabe, T. (1997). Geochemical characteristics of altered basaltic andesite by sulfuric-acid rich solution from the DESMOS Caldera, Manus Basin, Papua New Guinea. *JAMSTEC J. Deep-Sea Research*, 13, 269-285.
- Gamo, T., Okamura, K., Charlou, J. L., Urabe, T., Auzende, J. M., Ishibashi, J., Shitashima, K., and Chiba, H. (1997). Acidic and sulfate-rich hydrothermal fluids from the Manus back-arc basin, Papua New Guinea. *Geology*, 25(2) 139-142.
- Feely, R. A., Baker, E. T., Marumo, K., Urabe, T., Ishibashi, J., Gendron, J., Lebon, G. T., and Okamura, K. (1996). Hydrothermal plume particles and dissolved phosphate over the superfast-spreading southern East Pacific Rise. *Geochimica et Cosmochimica Acta*, 60, 2297-2323.
- Auzende, J. M., Urabe, T., and Scientific Party (1996). Cruise explores hydrothermal vents of the Manus Basin. *Eos, Transactions, American Geophysical Union*, 77(26), 244.

- Auzende, J. M., Urabe, T., Binns, R., Charlou, L. L., Gena, K., Gamo, T., Henry, K., Matsubayashi, O., Matsumoto, T., Moss, R., Naka, J., Nagaya, Y., Okamura, K., and Ruellan, E. (1996). Tectonic, magmatic and hydrothermal activity in the Manus basin (SW Pacific, Papua New Guinea): MANUSFLUX cruise, Shinkai-6500. *Comptes Rendus de l'Académie des Sciences. Serie II. Fascicule a, Sciences de la Terre et des Planètes*, 323(6), 501-508.
- Urabe, T., Ikeda, R., Ito, H., Hamada, K., and Miyazaki, T. (1996). JUDGE Project: Preliminary results of the feasibility study. *Proceedings of the VIIIth International Symposium on the Observation of the Continental Crust Through Drilling*, Tsukuba Japan, pp. 20-22.
- Baker, E. T., and Urabe, T. (1996). Extensive distribution of hydrothermal plumes along the superfast spreading East Pacific Rise, 13° 30'S – 18° 40'S. *Journal of Geophysical Research*, 101, Ser. B4, 8685-8695.
- Urabe, T., Baker, E. T., Ishibashi, J., Feely, R. A., Marumo, K., et al. (1995). The effect of magmatic activity on hydrothermal venting along the superfast-spreading East Pacific Rise. *Science*, 269, 1092-1095.
- Ishibashi, J., and Urabe, T. (1995). Hydrothermal activity related to arc-backarc magmatism in Western Pacific. In Taylor, B., ed., *Backarc Basins: Tectonics and Magmatism*, Plenum Press, N.Y., pp. 451-495.
- Ishibashi, J., Wakita, H., Nojiri, Y., Grimaud, D., Jean-Baptiste, P., Gamo, T., Auzende, J. M., and Urabe, T. (1994). Helium and carbon geochemistry of hydrothermal fluids from the North Fiji Basin spreading ridge (southwest Pacific). *Earth and Planetary Science Letters*, 128, 183-197.
- Nohara, M., Hirose, K., Eissen, J. P., Urabe, T., and Joshima, M. (1994). The North Fiji Basin basalts and their magma sources: Part II. Sr-Nd isotopic and trace element constraints. *Marine Geology*, 116, 179-196.
- Nakada, S., Maillet, P., Monjaret, M. C., Fujinawa, A., and Urabe, T. (1994). High-Na dacite from the Jean Charcot Trough (Vanuatu), Southwest Pacific. *Marine Geology*, 116, 197-214.
- Ishibashi, J., Grimaud, D., Nojiri, Y., Auzende, J. M., and Urabe, T. (1994). Fluctuation of chemical compositions of the phase-separated hydrothermal fluid from the North Fiji Basin ridge. *Marine Geology*, 116, 215-226.
- Bendel, V., Auzende, J. M., Lagabrielle, Y., Grimaud, D., Fouquet, Y., and Urabe, T. (1993). The White Lady hydrothermal site in the North Fiji Basin (STARMER). *Economic Geology*, 88, 2237-2249.
- Urabe, T., Tanaka, S., Kiya, Y., and Soejima, T. (1992). Japanese ultra-deep drilling and geoscientific experiments (JUDGE) project: an overview. In Vikram Rao, M., and Rowley, J., eds., *Drilling Technology-1992*, The American Society of Mechanical Engineers, PD 40, 89-94.
- Urabe, T., Auzende, J. M., et al. (1992). Bathymetric map of the central part of the North Fiji Basin, Southwest Pacific (Scale: 1/500,000). Hydrographic Department of Japan. 2 sheets.
- Auzende, J. M., Urabe, T., Tanahashi, M., and Ruellan, E. (1992). Japanese submersible explores the North Fiji Basin. *Eos, Transactions, American Geophysical Union*, 73, 116-117.

- Urabe, T., and Marumo, K. (1991). A new model for Kuroko-type deposits of Japan. *Episode*, 14, 246-251.
- Auzende, J. M., Urabe, T., Bendel, V., Deplus, C., Eissen, J. P., Grimaud, D., Huchon, P., Ishibashi, J., Joshima, M., Lagabriele, Y., Matsumoto, T., Mevel, C., Naka, J., Ruellan, E., Tanaka, T., and Tanahashi, M. (1991). In situ geological and geochemical study on an active hydrothermal site on the North Fiji Basin ridge. In Crook, K. A. W., ed., *The Geology, Geophysics and Mineral Resources of the South Pacific*. Marine Geology, 98, 259-269.
- Grimaud, D., Ishibashi, J., Lagabriele, Y., Auzende, J. M., and Urabe, T. (1991). Chemistry of hydrothermal fluids from the 17oS active site on the North Fiji Basin ridge (SW Pacific). *Chemical Geology*, 93, 209-218.
- Urabe, T., and Kusakabe, M. (1990). Barite silica chimneys from the Sumisu Rift, Izu-Bonin Arc. *Earth and Planetary Science Letters*, 100, 283-290.
- Auzende, J. M., Honza, E., Boespflug, X., Deo, S., Eissen, J. P., Hashimoto, J., Huchon, P., Ishibashi, J., Iwabuchi, Y., Jarvis, P., Joshima, M., Kisimoto, K., Kuwahara, K., Lafoy, Y., Matsumoto, T., Maze, J. P., Mitsuzawa, K., Monma, H., Naganuma, T., Nojiri, Y., Ohta, S., Otsuka, K., Okuda, Y., Ondreas, H., Otsuki, A., Ruellan, E., Sibuet, M., Tanahashi, M., Tanaka, T., and Urabe, T. (1990). Active spreading and hydrothermalism in North Fiji Basin (SW Pacific). (Results of Japanese French cruise Kaiyo 87.) *Marine Geophysics Research*, 12, 269-283.
- Taylor, B., Brown, G., Fryer, P., Gdl, J. B., Hochstaedter, A. G., Hotta, H., Langmuir, C. H., Leinen, M., Nishimura, A., and Urabe, T. (1990). Alvin-SeaBeam studies of the Sumisu Rift, Izu-Bonin Arc. *Earth and Planetary Science Letters*, 100, 127-147.
- Eissen, J. P., Morvan, G., Lefevre, C., Maillet, P., Urabe, T., and Auzende, J. M. (1990). Petrologie et geochemie de la zone d'accretion du centre du bassin nord-fidjien (SW Pacifique). *Comptes Rendus de l'Académie des Sciences*, 310, 771 -778.
- Auzende, J. M., Urabe, T., Deplus, C., Eissen, J. P., Grimaud, D., Huchon, P., Ishibashi, J., Joshima, M., Lagabriele, Y., Mevel, C., Naka, J., Ruellan, E., Tanaka, T., and Tanahashi, M. (1989). Le cadre géologique d'un site hydrothermal actif; la campagne STARMER 1 du submersible Nautille dans le bassin nord-fidjien. *Comptes Rendus de l'Académie des Sciences*, 309, Serie II, 1787-1795.
- Nakano, T., and Urabe, T. (1989). Calculated compositions of fluids released from a crystallizing granitic melt; importance of pressure on the genesis of ore forming fluid. *Geochemical Journal*, 23, 307-319.
- Urabe, T. (1987). The effect of pressure on the partition ratio of lead and zinc between vapor and rhyolite melts. *Economic Geology*, 82, 1049-1052.
- Urabe, T. (1987). Kuroko deposit modeling based on magmatic hydrothermal theory. *Mining Geology*, 37, 159-175.
- Urabe, T., Yuasa, M., Nakao, S., and on-board scientists (1987). Hydrothermal sulfides from a submarine caldera in the Shichito-Iwojima Ridge, Northwestern Pacific. *Marine Geology*, 74, 295-299.
- Le Pichon, X., Iiyama, T., Boulegue, J., Charvet, J., Faure, M., Kano, K., Lallemand, S., Okada, H., Rangin, C., Taira, A., Urabe, T., and Uyeda, S. (1987). Nankai Through and Zenisu Ridge: a deep-sea submersible survey. *Earth and Planetary Science Letters*, 83, 285-299.

Urabe, T. (1985). Aluminous granite as a source magma of hydrothermal ore deposits: an experimental study. *Economic Geology*, 80, 148-157.

Urabe, T., Scott, S. D., and Hattori, K. (1983). A comparison of footwall alteration and geothermal systems between some Japanese and Canadian volcanogenic massive sulfide deposits. *Economic Geology Monograph* 5, pp. 345-364.

Urabe, T., and Scott, S.D. (1983). Geology and footwall alteration of the South Bay massive sulphide deposit, northwestern Ontario, Canada. *Canadian Journal of Earth Sciences*, 20, 1862-1879.

Urabe, T. (1978). Quartz simultaneously precipitated with Kuroko ores in the Uwamuki No. 4 deposit, Kosaka mine. *Mining Geology*, 28, 337-348.

Urabe, T., and Sato, T. (1978). Kuroko deposits of the Kosaka mine, Northeast Honshu, Japan – Products of submarine hot spring on Miocene sea floor. *Economic Geology*, 73, 161-179.

Urabe, T. (1977). Partition of cadmium and manganese between coexisting sphalerite and galena from some Japanese epithermal deposits. *Mineralium Deposita*, 12, 319-330.

Tatsumi, T., Nakayama, F., and Urabe, T. (1975). Carrollite from the Sazare Mine, Ehime Prefecture, Japan. *Mineralogical Journal*, 7, 552-561.

Urabe, T. (1974). Iron content of sphalerite coexisting with pyrite from some Kuroko deposits. *Mining Geology, Special Issue*, 6, 377-384.

Urabe, T. (1974). Mineralogical aspects of the Kuroko deposits in Japan and their implications. *Mineralium Deposita*, 9, 309-324.
