Akimoto K, Ureshino M, Sugiura M, Irizuki T, Yamaji A, Jung KK, Lee YG. 1999. Paleoenvironment reconstructed by the Miocene benthic foraminiferal assemblages in the Pohang area, Southeast Korea. *Journal of the Geological Society of Japan* 105(6): 391-409. (in Japanese with English abstract)

Asano G, Yano T, Hirao K, Tanaka Y. 2012. Taphonomy of fish fossils from the Miocene Tottori Group, southwest Japan. *Earth Science (Chikyu Kagaku)* 66: 5-16. (in Japanese with English abstract)

Chijiwa K. 2010. Tertiary system in the coal fields in northern Kyushu. In: Sano H, Nishiyama T, Hase Y eds. Kyushu and Okinawa districts. Tokyo: Asakura Publishing Co., Ltd. 68-85. (in Japanese)

Ganzawa Y. 1992. Neogene stratigraphy and paleogeography of the Oshima Peninsula, southwest Hokkaido, Japan. *Memoir of the Geological Society of Japan* (37): 11-23. (in Japanese with English abstract)

Geshi N, Takeuchi K. 2012. Geology of the Haruna San district. Tsukuba: Geological Survey of Japan, AIST. (in Japanese with English Abstract)

Hase Y. 1987. Reinvestigation of the Quaternary stratigraphy of the northwestern coastal area of Kagoshima Bay in southern Kyushu, Japan. *Monograph of the Association for the Geological Collaboration* (33): 251-278. (in Japanese with English abstract)

Hase Y. 1988. Late Cenozoic history and paleoenvironment of southern Kyushu, Japan. *Memoirs of the Faculty of Education, Kumamoto University. Natural Science* 23: 37-82. (in Japanese with English abstract)

Hase Y, Hatanaka K. 1984. Pollen stratigraphical study of the Late Cenozoic sediments in Southern Kyushu, Japan. *The Quaternary Research* 23(1): 1-20. (in Japanese with English abstract)

Hase Y, Danhara T. 1985. Radiometric ages of the volcanic rocks of the Late Cenozoic in southern Kyushu, Japan. *Earth Science (Chikyu Kagaku)* 39(2): 136-155. (in Japanese with English abstract)

Hase Y, Danhara T, Shiihara M, Kitabayashi E. 2001. Stratigraphy and fission-track ages of the Tsubusagawa Formation in the Ajimu area of northern Kyushu, Japan. *Research Report of the Lake Biwa Museum* (18): 5-15. (in Japanese with English abstract)

Hayashi T. 1975. Fossils from Chojabaru, Iki Island, Japan. Ishida, Nagasaki Prefecture: Research Institute of Iki Island.

Hayashi S, Ohguchi T. 1998. K-Ar dating of the early Miocene Odose Formation, Fukaura­Ajigasawa area, northeast Honshu, Japan. *Journal of Mineralogy, Petrology and Economic Geology* 93: 207-213. (in Japanese with English abstract)

Hojo Y. 1973. Some Miocene plant fossils from Tottori and Shimane prefectures, San-in district. *Memoire of the Faculty of Science, Kyushu University, Ser. D, Geology* 22(1): 13-35. pls. 4-10

Hori J. 1987. Plant Fossils from the Miocene Kobe Flora. Fukuzaki, Hyogo Prefecture: Hyogo Biological Society. (in Japanese)

Horiuchi J. 1996. Neogene Floras of the Kanto District. *Science Reports of the Institute of Geoscience, University of Tsukuba, Section B* 17: 109-208.

Horiuchi J, Takimoto H. 2001. Plant mega-fossils from the late Early to early Middle Miocene Asakawa Formation at Inuboe pass, Ibaraki Prefecture, Kanto District, Japan. *Bulletin of Ibaraki Nature Museum* (4): 1-32. pls. 1-10

Huzioka K. 1963. The Utto flora of Northern Honshu. In: The Collaborating Association to Commemorate the 80th Anniversary of the Geological Survey of Japan ed. Tertiary floras of Japan I. Miocene floras: Geological Survey of Japan. 153-216. pls. 28-40

Huzioka K. 1964. The Aniai flora of Akita Prefecture and the Aniai-type floras in Honshu, Japan. *Journal of the Mining College of Akita University, Series A* 3(4): 1-105. pls. 1-18

Huzioka K. 1972. The Tertiary Floras of Korea. *Journal of the Mining College of Akita University, Series A* 5(1): 1-83. pls. 1-14

Huzioka K, Uemura K. 1973. The Late Miocene Miyata Flora of Akita Prefecture, Northeast Honshu, Japan. *Bulletin of the National Science Museum* 16(4): 661-738. pls. 1-18

Huzioka K, Uemura K. 1974. The Late Miocene Sanzugawa Flora of Akita Prefecture, Northeast Honshu, Japan. *Bulletin of the National Science Museum* 17(4): 325-366. pls. 1-11

Ichimura T. 1928. Geological Report of Coal-fields in Korea. Vol. 3, Tonchon lignite coal-field. Geongseong: Institute of Natural Resources, Governor-General of Korea. (in Japanese)

Ina H. 1974. Plant fossils from the upper part of the Mizunami Group. *Bulletin of the Mizunami Fossil Museum* (1): 305-351. pls. 101-109

Ina H. 1977. Plant fossils from the Hiramaki Formation. In: Board of Education of Kani Town, Gifu Prefecture ed. Geology and Paleontology of Kani Town, Central Japan. Kani: Board of Education of Kani Town, Gifu Prefecture. 47-102. pls. V1-V29

Ina H. 1981. Miocene fossils from the Mizunami Group, central Japan 1. Plants of the Kani and Mizunami basins. *Monograph of Mizunami Fossil Museum* (2): 1-20. (in Japanese)

Ina H, Ishikawa T. 1982. Late Miocene flora from the west part of Satsuma Peninsula, Kagoshima Prefecture, Japan. *Bulletin of the Mizunami Fossil Museum* (9): 35-58. pls. 7-18

Irizuki T, Matsubara T. 1994. Vertical changes of depositional environments of the Lower to Middle Miocene Kadonosawa Formation based on analyses of fossil ostracode faunas. *Journal of the Geological Society of Japan* 100(2): 136-149. (in Japanese with English abstract)

Irizuki T, Kamada K, Maruyama T, Ito H. 2004. Paleoecology and taxonomy of Early Miocene Ostracoda and paleoenvironment of the eastern Setouchi Province, central Japan. *Micropaleontology* 50(2): 105-147.

Ishida S. 1970. The Noroshi flora of Noto Peninsula, Central Japan. *Memoirs of the Faculty of Science, Kyoto University, Series of Geology & Mineralogy* 37(1): 1-112. pls. 1-22

Ito T, Utada M, Okuyama T. 1989. Mio-Pliocene calderas in the Backbone Region in northeast Japan. *Memoir of the Geological Society of Japan*: 409-429. (in Japanese with English abstract)

Itoh Y, Watanabe M. 2005. Fission-track dating and paleomagnetic polarity of the Lower Miocene in the Yatsuo area, central Japan. *Bulletin of the Geological Survey of Japan* 56(11/12): 425-429. (in Japanese with English abstract)

Iwano H, Hoshi H, Danhara T, Yoshioka T. 2003. Fission-track dating of Miocene volcanic rocks from the southern margin of the Asahi Mountains, northeast Honshu arc, Japan. *Journal of the Geological Society of Japan* 109(3): 179-191. (in Japanese with English abstract)

Iwao Y, Matsuo H. 1982. Mega-phytofossils of the Late Cenozoic in the Northern Kyushu. *Memoirs of the Ehime University, Science, Series D (Earth Science)* 9(3): 27-84.

Iwauchi A, Hase Y. 1986. Late Cenozoic vegetation and paleoenvironment of northern and central Kyushu, Japan—Part 2 Ajimu–Innai area (Upper Pliocene)—. *Journal of the Geological Society of Japan* 92(8): 591-598. (in Japanese with English abstract)

Jeong EK, Kim K, Suzuki M, Uemura K. 2012. Daijima-type conifer wood assemblage of the Hatamura Formation (middle Miocene) in the Akita Prefecture, Japan. *Geosciences Journal* 16(2): 115-125.

Kano K, Kato H, Yanagisawa Y, Yoshida F. 1991. Stratigraphy and geologic history of the Cenozoic of Japan. *Report of the Geological Survey of Japan* (274): 1-114. pls. (in Japanese with English abstract)

Kano K, Oguchi T, Ishikawa Y, Yanai K, Fujimoto Y, Uemura K, Ogasawara K, Komazawa M. 2012. Geology of the Aniai District, 2nd Edition. Tsukuba: Geological Survey of Japan, AIST. (in Japanese with English Abstract)

Kato H, Akahane S. 1986. Geology of the Nagano district. Tsukuba: Geological Survey of Japan. (in Japanese with English Abstract)

Kato S, Danhara T, Oda H. 2008. Fission-track ages of the Miocene formations in the Ayukawa–Yurihara district, Akita Prefecture. *Journal of the Japanese Association for Petroleum Technology* 73(5): 397-406. (in Japanese with English abstract)

Kawase M, Koike H. 2001. Leaf and cone plant fossils from the Miocene Bessho Formation, Nakatani, Toyoshina-machi, Minamiazumi-gun, Nagano Prefecture, central Japan (Part 1). *Research Report of the Shinshushinmachi Fossil Museum* (4): 1-6. (in Japanese with English abstract)

Kawase M, Koike H. 2004. Leaf and cone plant fossils from the Miocene Aoki Formation, Okuchizawa, Toyoshina-machi, Minamiazumi-gun, Nagano Prefecture, central Japan. *Research Report of the Shinshushinmachi Fossil Museum* (7): 1-4.

Kobayashi M, Saito T, Okitsu S. 2011. Zircon fission-track ages of the Miocene Yagii Formation, Saitama Prefecture, central Japan, and their palaeoecological significance. *Journal of the Geological Society of Japan* 117(11): 632-636.

Koizumi I. 1988. Early Miocene proto-Japan Sea. *Journal of the Paleontological Society of Korea* 4: 6-20.

Kurihara Y, Horiuchi S, Yanagisawa Y. 2003. Lithostratigraphy and integrated diatom and calcareous nannofossil biostratigraphy of the Miocene sequence in the Iwadono Hills area, Saitama Prefecture, central Japan. *Journal of the Geological Society of Japan* 109(4): 215-233. (in Japanese with English abstract)

Majima R. 1989. Neogene stratigraphy along the Arakawa River near Yorii, and of the Ogawa Basin, Hiki Hills, and Iwadono Hills, central Saitama Prefecture, central Japan. *Geoscience Reports of Shizuoka University* 15: 1-24. (in Japanese with English abstract)

Manabe K. 1980. Magnetostratigraphy of the Yamato Group and the Sendai Group, Northeast Honshu, Japan (2). *Science Reports of the Faculty of Education, Fukushima University* (30): 49-71.

Matsubara T. 1995. Fossil Mollusca of the Lower Miocene Yotsuyaku Formation in the Ninohe district, Iwate Prefecture, Northeast Japan. Part 1. General consideration of the fauna. *Transactions and Proceedings of the Palaeontological Society of Japan, New Series* (180): 303-320.

Matsukawa M, Kakinuma H, Baba K, Ohira H. 2006. Stratigraphy and correlation of the Plio-Pleistocene strata along the western flank of the Kwanto Plain, Japan. *Bulletin of Tokyo Gakugei University, Division of Natural Sciences* 58: 173-202. (in Japanese with English abstract)

Matsumoto M, Ohsawa AT, Nishida M, Nishida H. 1997. *Glyptostrobus rubenosawaensis* sp. nov., a new permineralized conifer species from the Middle Miocene, Central Hokkaido, Japan. *Paleontological Research* 1(2): 81-99.

Matsuo H. 1963. The Notonakajima flora of Noto Peninsula. In: The Collaborating Association to Commemorate the 80th Anniversary of the Geological Survey of Japan ed. Tertiary floras of Japan I. Miocene floras: Geological Survey of Japan. 219-243. pls. 41-56

Miki S. 1957. Pinaceae of Japan, with special reference to its remains. *Journal of the Institute of Polytechnics, Osaka City University, Series D* 8: 221-272. pls. 1-10

Miki S. 1958. Gymnosperms in Japan, with special reference to the remains. *Journal of the Institute of Polytechnics, Osaka City University, Series D* 9: 125-150. pls. 1-3

Miyata K, Tomida Y. 2010. *Anchitherium* (Mammalia, Perissodactyla, Equidae) from the Early Miocene Hiramaki Formation, Gifu Prefecture, Japan, and its implication for the early diversification of Asian *Anchitherium*. *Journal of Paleontology* 84(4): 763-773.

Momohara A. 1992. Late Pliocene plant biostratigraphy of the lowermost part of the Osaka Group, Southwest Japan, with reference to extinction of plants. *The Quaternary Research* 32(2): 77-89.

Momohara A, Saito T. 2001. Change of paleovegetation caused by topographic change n and around a sedimentary basin of the Upper Miocene Tokiguchi Porcelain Clay Formation, central Japan. *Geoscience Report of the Shimane University* 20: 49-58. (in Japanese with English abstract)

Moritani T. 1968. Geology of the Fukaura District. Tsukuba: Geological Survey of Japan. (in Japanese with English Abstract)

Murai S. 1962. Geology and Paleobotany of the Shizukuishi basin, Iwate Prefecture, Japan (PartII-1). *Report on Technology of Iwate University* 15(2): 1-34. pls. 1-17

Murai S. 1968. On the Hanayama Flora. *Technological Report of Iwate University* 3(3): 11-28. pls. 4

Murai S. 1969. On the Hishinai Flora. *Technological Report of the Iwate University* 4: 47-68. pls. 1-5

Murai S. 1976. Fossil floras from marine sediments in the Northeastern part of the Ninohe District, Iwate Prefecture, Japan. *Technological Report of Iwate University* 10: 15-34.

Nakajima T, Danhara T, Chinzei K. 2000. Late Cenozoic basin development of the Yuda Basin in the axial part of the Ou Backbone Range, northeast Japan. *Journal of the Geological Society of Japan* 106(2): 93-111. (in Japanese with English abstract)

Nishida H, Uemura K. 1997. Phytogeographic history of Taxodiaceae and importance of preserving mixed broad-leaved deciduous/evergreen forest. *TROPICS* 6(4): 413-420.

Noda Y, Goto M. 2004. Paleogeographic maps of the Japanese Islands and their application to exhibition of the Fukui Prefectural Dinosaur Museum. *Memoir of the Fukui Prefectural Dinosaur Museum* (3): 47-63. (in Japanese with English abstract)

Nomura T. 1992. Stratigraphy of the Miocene Hachiya Formation, Gifu Prefecture, Central Japan; An instance of the volcanism took place in the Setouchi Geologic Province during Early Miocene. *Bulletin of the Mizunami Fossil Museum* (19): 75-101.

Obuse A. 1999. Latitudinal changes in Miocene pollen assemblages related to the Daijima-type flora, from the Takinoue Formation and its coeval formations in Hokkaido. *Journal of the Japanese Association for Petroleum Technology* 64(1): 49-62. (in Japanese with English abstract)

Ohga Y. 1963. Fossil cones and fruits from the Kobe Group (4), Metasequoia and other taxodiaceae fossils. *Chigaku\_Kenkyu* 13(12): 349-354. (in Japanese)

Okamura S, Yahata M, Nishido H, Ibusuki A, Yokoi S, Yonejima M, Imayama T, Maeda J. 2010. K-Ar ages and petrology of the Takinoue stage volcanic rocks in central Hokkaido, Japan: Geochemistry of volcanic rocks that form a shallow reservoir in the Yufutsu Oil and Gas Field. *Journal of the Geological Society of Japan* 116(4): 181-198. (in Japanese with English abstract)

Onoe T. 1972. On the Late Cenozoic floras from the northwestern part of Kagoshima Prefecture. *Journal of the Geological Society of Japan* 78(7): 369-375. (in Japanese with English abstract)

Onoe T. 1974. A Middle Miocene flora from Oguni-machi, Yamagata Prefecture, Japan. *Report of the Geological Survey of Japan* (253): 1-64. pls. 1-14

Onoe T. 1978. New knowledge on Miocene floras in the northern part of Kinki District, Central Japan. *Bulletin of the Geological Survey of Japan* 29(2): 127-132.

Otake M. 2000. Stratigraphy and styles of caldera-forming eruption and subsidence of the Akakura caldera in the South Kurikoma geothermal area, Northeast Japan. *Journal of the Geological Society of Japan* 106: 205-222. (in Japanese with English abstract)

Ozaki K. 1974. Miocene floras of the Pacific side of central Japan (I). Inkyoyama flora. *Science Reports of the Yokohama National University, sec. 2* (21): 1-21. pls. 1-3

Ozaki K. 1979. Late Miocene Tatsumitoge flora of Tottori Prefecture, southwest Honshu, Japan (I). *Science Reports of the Yokohama National University, sec. 2* (26): 31-56. pls. 1-7

Ozaki K. 1991. Late Miocene and Pliocene floras in central Honshu, Japan. Yokohama: Kanagawa Prefectural Museum.

Ozaki M. 1999. Fission-track ages of the Hioki and Yuyawan Groups in northwestern Yamaguchi Prefecture, southwest Japan—Reconsideration of stratigraphic position of the Igami Formation—. *Earth Science (Chikyu Kagaku)* 53: 391-396. (in Japanese with English abstract)

Ozaki M, Matsuura H, Sato Y. 1996. Geologic age of the Kobe Group. *Journal of the Geological Society of Japan* 102(2): 73-83. (in Japanese with English abstract)

Paik IS, Kim HJ, Kim K, Jeong E-K, Kang HC, Lee HI, Uemura K. 2012. Leaf beds in the Early Miocene lacustrine deposits of the Geumgwangdong Formation, Korea: Occurrence, plant-insect interaction records, taphonomy and palaeoenvironmental implications. *Review of Palaeobotany and Palynology* 170: 1-14.

Pavlyutkin BI, Yabe A, Golozoubov VV, Simanenko LF. 2016. Miocene floral changes in the circum-Japan Sea areas—their implications in the climatic changes and the time of Japan Sea Opening. *Memoirs of the National Museum of Nature and Science* (51): 109-123.

Saito T, Ichitani T. 2007. Pollen assemblages and climatic implications of the Upper Miocene Tatsumitoge Member, Ningyotoge Formation, Tottori Prefecture, Japan. *Japanese Journal of Palynology* 53(1): 29-39. (in Japanese with English abstract)

Sasao E, Danhara T, Iwano H. 2007. Fission track ages of the Miocene Mizunami, Iwamura and Kani Groups in the eastern part of the Setouchi Province, central Japan. *Fisshion-Track Newsletter* (20): 42-43. (in Japanese)

Sato K. 2007. K-Ar age of the Arafune Lava and its bearing on age of the Kabutoiwa fossil fauna and flora. *Bulletin of the Gunma Museum of Natural History* (11): 53-61. (in Japanese with English abstract)

Sato Y, Kano K, Ogasawara K, Ohguchi T, Kobayashi N. 2009. Stratigraphy of the Early Miocene Daijima Formation, Oga Peninsula, NE Japan. *Journal of the Geological Society of Japan* 115(1): 31-46. (in Japanese with English abstract)

Satoguchi Y. 2009. Iga and Ohmi Basins. In: Geological Society of Japan ed. Kinki Region. Tokyo: Asakura Publishing Co., Ltd. 253-258. (in Japanese)

Satoguchi Y, Nagahashi Y. 2012. Tephrostratigraphy of the Pliocene to Middle Pleistocene Series in Honshu and Kyushu Islands, Japan. *Island Arc* 21: 149-169.

Shimaguchi T. 2017. Plant fossils of the Odose Formation in Aomori Prefectural Museum. *Bulletin of the Aomori Prefectural Museum*: 31-40. (in Japanese)

Shimakura M. 1939. The past distribution and origin of coniferous plants in Japan. *Jubilee Publication in the Commemorial for Prof. H. Yabe's 60th Birthday* 1: 233-253. pls. 16-17

Suto S, Ishii T. 1987. Geology of the Shizukuishi district. Tsukuba: Geological Survey of Japan. (in Japanese with English Abstract)

Suzuki K. 1961. The important and characteristic Pliocene and Miocene species of plants from the southern part of the Tohoku district, Japan. *Science Report of the Faculty of Art and Science, Fukushima University* (10): 1-97. pls. 1-19

Suzuki K. 1963. Neogene Tertiary of Northeast Japan from the view point of the plant fossils.—Lower Miocene and fossil floral assemblages. *Fossils, the Palaeontological Society of Japan* (5): 63-77. (in Japanese)

Suzuki N. 1974. Preliminary report on plant fossils from the Wakamatsuzawa Formation, Kitami City. *Bulletin of the Kitami City Museum* 4-I: 1-12. (in Japanese)

Takeshita H, Hayashi S, Uragawa T, Yamauchi M, Tajima T, Iki Collaborative Research Group. 1987. Volcano-stratigraphy of the Iki island, Nagasaki Prefecture, Japan. *Monograph of the Association for the Geological Collaboration* (33): 21-52. (in Japanese with English abstract)

Takimoto H, Horiuchi J, Sugaya M, Hosogai T. 1998. Plant megafossils from the Pliocene Kume Formation in the Osato area, Ibaraki Prefecture, central Japan. *Bulletin of Ibaraki Nature Museum* (1): 47-68.

Tanai T. 1961. Neogene floral change in Japan. *Journal of the Faculty of Science, Hokkaido University, Series 4* 11(2): 119-398. pls. 1-32

Tanai T. 1971. The Miocene Sakipenpetsu flora from Ashibetsu area, central Hokkaido. *Memoirs of the National Science Museum of Tokyo* (4): 127-172. pls. 4-11

Tanai T. 1976. The revision of the Pliocene Mogi flora, described by Nathorst (1883) and Florin (1920). *Journal of the Faculty of Science, Hokkaido University, Series 4* 17(2): 277-346.

Tanai T, Onoe T. 1959. A Miocene flora from the northern part of the Joban coal-field, Japan. *Bulletin of the Geological Survey of Japan* 10(4): 261-286. pls. 1-7

Tanai T, Onoe T. 1961. A Mio-Pliocene flora from the Ningyo-toge area on the border between Tottori and Okayama Prefectures, Japan. *Report of the Geological Survey of Japan* (187): 1-63. pls. 1-18

Tanai T, Suzuki N. 1963. Miocene floras of southwestern Hokkaido, Japan. In: The Collaborating Association to Commemorate the 80th Anniversary of the Geological Survey of Japan ed. Tertiary Floras of Japan. Miocene Floras: Geological Survey of Japan. 9-149. pls. 1-27

Tanai T, Suzuki N. 1965. Late Tertiary floras from Northeastern Hokkaido, Japan. *Palaeontological Society of Japan, Special Papers* (10): 1-117. pls. 1-21

Tanai T, Suzuki N. 1972. Additions to the Miocene floras of southwestern Hokkaido, Japan. *Journal of the Faculty of Science, Hokkaido University, Series 4* 15(1-2): 281-359.

Tanai T, Uemura K. 1983. *Engelhardia* fruits from the Tertiary of Japan. *Journal of the Faculty of Science, Hokkaido University, Series 4* 20: 249-260.

Tanai T, Uemura K. 1988. Daijima-type floras (Miocene) in southwestern Hokkaido and the northern part of Honshu Japan. *Memoirs of the National Science Museum, Tokyo* (21): 7-16. (in Japanese with English summary)

Tanai T, Uemura K. 1991a. The Oligocene Noda flora from the Yuya-wan area of the western end of Honshu, Japan. Part 1. *Bulletin of the National Science Museum, Series C* 17(2): 57-80.

Tanai T, Uemura K. 1991b. The Oligocene Noda flora from the Yuya-wan area of the western end of Honshu, Japan. Part 2. *Bulletin of the National Science Museum, Series C* 17(3): 81-90.

Tanai T, Uemura K. 1994. Lobed oak leaves from the Tertiary of East Asia with reference to the oak phytogeography of the Northern Hemisphere. *Transactions and Proceedings of the Palaeontological Society of Japan, New Series* (173): 343-365.

Tanai T, Sato S, Nakasuji H. 1981. Late Neogene floral succession in the Bifuka–Utanobori area of northern Hokkaido, Japan. In: Tanai T ed. Neogene Biostratigraphy of Hokkaido (Communication Letters). Sapporo: Hokkaido University. 38-43. (in Japanese)

Tsuchiya N. 1995. Temporal change in Oligocene-middle Miocene magmatism on the Japan Sea side of northern Honshu. *Memoir of the Geological Society of Japan* (44): 227-240. (in Japanese with English abstract)

Tsukagoshi M. 1996. Plant fossils. In: Research Group for the footprint fossils from Hattori-gawa River ed. Footprint fossils from the Ueno Formation of the Kobiwako Group in Oyamada, Mie Prefecture. Tsu: Research Group for the footprint fossils from Hattori-gawa River. 53-54. pls. (in Japanese)

Tsukagoshi M. 2011. Recent progress in paleobotanical and geological studies of Pinus trifolia flora. *Japanese Journal of Historical Botany* 19: 15-24.

Tsukagoshi M, and Todo Collaborative Research Group. 1995. Plant megafossils from the Pliocene Toki Sand and Gravel Formation in and around Ena City, Gifu Prefecture, central Japan. *Bulletin of the Osaka Museum of Natural History* (49): 23-46.

Uemura K. 1977. Late Miocene floras in the Japan Sea side district of Northeast Honshu, Japan. In: Prof. K. Huzioka Taikan Kinen-kai ed. Professor Kazuo Huzioka Memorial Volume. Akita: Prof. K. Huzioka Taikan Kinen-kai. 333-343. pls. (in Japanese with English abstract)

Uemura K. 1986a. A note on Tertiary *Sciadopitys* (Coniferopsida) from Japan. *Bulletin of the National Science Museum, Series C* 12(2): 53-59.

Uemura K. 1986b. Late Miocene plants from Onbara in northern Okayama Pref., southwestern Honshu, Japan. *Bulletin of the National Science Museum, Series C* 12(4): 121-130.

Uemura K. 1988. Late Miocene floras in Northeast Honshu, Japan. Tokyo: National Science Museum.

Uemura K. 1998. Oligocene Plants from Akogi in the Northeastern Sasebo Coal-bearing Field, Kyushu, Japan. *Memoirs of the National Science Museum, Tokyo* 31: 57-65.

Uemura K. 2004. Miocene plant fossils from Nonosawa in Tadami Town, Fukushima Prefecture, Northeast Japan. In: Board of Education of Tadami Town ed. History of Tadami Town. Tadami: Komeya Bookstore. 61-74. pls. (in Japanese)

Uemura K, Momohara A. 1991. Plant megafossils from the Nakatsu Group in the northern part of Kanagawa Prefecture, Japan. *Research Report of the Kanagawa Museum (Natural Science)* (6): 143-152.

Uemura K, Doi E, Takahashi F. 1999. Plant megafossil assemblage from the Kiwado Formation (Oligocene) from Ouchiyama-kami in Yamaguchi Pref., western Honshu, Japan. *Bulletin of the Mine City Museum* (15): 1-59.

Uemura K, Tanokura K, Hamano I. 2001. The Early Miocene flora from Itsukaichi in the Western part of Tokyo Prefecture, Japan. *Memoirs of the National Science Museum, Tokyo* (37): 53-70.

Uemura K, Kikuchi Y, Nagato H, Nikaido A. 2006. Middle Miocene plants from marine sediments in Tatsugoroshi of Hitachiota, Ibaraki Prefecture, Japan. *Bulletin of the National Science Museum, Series C* 32: 1-11.

Watari S. 1941. Studies on the fossil woods from the Tertiary of Japan I. Fossil woods from the River Mabeti, Anatai Village, Ninohe District, Iwate Prefecture. *Japanese Journal of Botany* 11: 385-416.

Watari S. 1956. Some Abietinean woods from the Tertiary of Japan. *Journal of the Faculty of Science, University of Tokyo, Sec. 3* 6(9): 419-437.

Yabe A. 2008a. Early Miocene terrestrial climate inferred from plant megafossil assemblages of the Joban and Soma areas, Northeast Honshu, Japan. *Bulletin of the Geological Survey of Japan* 59(7/8): 397-413.

Yabe A. 2008b. Plant megafossil assemblage from the Lower Miocene Ito-o Formation, Fukui Prefecture, Central Japan. *Memoir of the Fukui Prefectural Dinosaur Museum* (7): 1-24.

Yabe A, Yamakawa C. 2017. Revision of *Cunninghamia protokonishii* Tanai et Onoe (Pinopsida, Cupressaceae) from East Asia. *Palaeontological Research* 21(4): 309-328.

Yahata M. 1989. Cenozoic system and its geotectonic features of the northern part of southwest Hokkaido, Japan. *Memoir of the Geological Society of Japan* (32): 7-28. (in Japanese with English abstract)

Yahata M, Nishido H. 1995. Neogene volcanism and tectonics in the Monbetsu-Engaru district in the northeastern part of Central Hokkaido, Japan. *Journal of the Geological Society of Japan* 101(9): 685-704. (in Japanese with English abstract)

Yamada I, Kosaka T. 2006. K-Ar ages from an andesitic lava of the Miocene Ogawa Formation in the southern Ueda City, Northern Fossa Magna region, central Japan. *Earth Science (Chikyu Kagaku)* 60: 63-67. (in Japanese with English abstract)

Yamaguchi S, Sawamura K. 1965. Explanatory text of the Geological Map of Japan, Scale 1: 50,000, Honki. Tsukuba: Geological Survey of Japan. (in Japanese with English Abstract)

Yamaji A. 1989. Geology of Atsumi Area and Early Miocene Rifting in the Uetsu District, Northeast Japan. *Memoirs of the Geological Society of Japan* (32): 305-320. (in Japanese with English abstract)

Yamakawa C, Momohara A, Saito T, Nunotani T. 2015. Composition and paleoenvironment of wetland forests dominated by Glyptostrobus and Metasequoia in the latest Pliocene (2.6 Ma) in central Japan. *Palaeogeography, Palaeoclimatology, Palaeoecology*: doi:10.1016/j.palaeo.2015.1012.

Yamamoto T, Komazawa M. 2004. Geology of the Miyashita District. Tsukuba: Geological Survey of Japan, AIST. (in Japanese with English Abstract)

Yamanoi T, Saito K, Ogasawara K, Nagato H. 2011. Tropical mangrove pollen from the Middle Miocene Asakawa Formation, northern Ibaraki Prefecture, Northeast Japan. *Journal of the Geological Society of Japan* 117(9): 538-543. (in Japanese with English abstract)

Yamauchi S, Sawada Y, Takasu Y, Komuro H, Murakami H, Kobayashi S, Tamura R. 2009. Geology of the Saigo district. Tsukuba: Geological Survey of Japan, AIST. (in Japanese with English Abstract)

Yamazaki H, Shitasue M, Takayasu K. 1991. Re-examination of stratigraphic relationship between the Miocene Kori and Kumi Formations in Dogo, Oki Islands, West Japan. *Earth Science (Chikyu Kagaku)* 45(3): 177-190. (in Japanese with English abstract)

Yanagisawa Y, Yamamoto T. 1998. Geology of the Tamaniwa district. Tsukuba: Geological Survey of Japan. (in Japanese with English Abstract)

Yanagisawa Y, Oishi M. 2009. Diatom age of the upper Miocene Hishinai Formation in the western area of Kitakami City, Iwate Prefecture, Northeast Japan. *Bulletin of the Iwate Prefectural Museum* (26): 1-10. (in Japanese with English abstract)

Yanagisawa Y, Yamamoto T, Banno Y, Tazawa J, Yoshioka T, Kubo K, Takizawa F. 1996. Geology of the Somanakamura district. with geological sheet map at 1:50,000. Tsukuba: Geological Survey of Japan.

Yoshikawa T, Kano K, Yanagisawa Y, Komazawa M, Joshima M, Kikawa E. 2002. Geology of the Suzumisaki, Noto-iida and Horyuzan district: Geological Survey of Japan, AIST. (in Japanese with English abstract)