

Peer-reviewed publications

List of peer-reviewed publications based on the Institute of Cetacean Research (ICR)'s surveys up to 2020

This section presents a list of peer-reviewed publications based on data collected by surveys conducted under special scientific permit (JARPA/JARPAII/NEWREP-A and JARPNI/JARPNI/NEWREP-NP), including both lethal and non-lethal techniques. Peer-reviewed publications based on these surveys are focused mainly on topics related to assessment and management of large whales. However samples and data collected by the surveys have also been useful to carry out studies of a more academic-oriented nature. Publications based on such studies are also listed here.

This section also includes a list of peer-reviewed publications resulting from other surveys and research activities, different from special scientific permit surveys.

Publications having as a first author a non-ICR scientist commonly followed a data request or collaboration research agreement with ICR. In a few cases, external scientists used published data from ICR surveys in their analyses and publications, without a formal agreement with ICR. These cases are indicated by an asterisk (*).

JARPA/JARPAII/NEWREP-A surveys

1989 (2)

- Kato, H., Hiroshima, H., Fujise, Y. and Ono, K. 1989. Preliminary report of the 1987/88 Japanese feasibility study of the special permit proposal for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 39: 235–248.
- Nakamura, T., Ohnishi, S. and Matsumiya, Y. 1989. A Bayesian cohort model for catch-at-age data obtained from research takes of whales. *Rep. int. Whal. Commn* 39: 375–382.

1990 (8)

- Butterworth, D.S. and Punt, A.E. 1990. Some preliminary examinations of the potential information content of age-structure data from Antarctic minke whale research catches. *Rep. int. Whal. Commn* 40: 301–315.
- Ichii, T. 1990. Distribution of Antarctic krill concentrations exploited by Japanese krill trawlers and minke whales. *Proc. NIPR Symp. Polar Biol.* 3: 36–56.
- Itoh, S., Takenaga, F. and Tsuyuki, H. 1990. Studies on lipids of the Antarctic minke whale. I. The fatty acid compositions of the minke whale blubber oils caught on 1987/88

season. *Yukagaku* 39 (7): 486–490 (in Japanese).

- Kasamatsu, F., Kishino, H. and Hiroshima, H. 1990. Estimation of the number of minke whale (*Balaenoptera acutorostrata*) schools and individuals based on the 1987/88 Japanese feasibility study data. *Rep. int. Whal. Commn* 40: 239–247.
- Kato, H., Fujise, Y., Yoshida, H., Nakagawa, S., Ishida, M. and Tanifuji, S. 1990. Cruise report and preliminary analysis of the 1988/89 Japanese feasibility study of the special permit proposal for southern hemisphere minke whales. *Rep. int. Whal. Commn* 40: 289–300.
- Kato, H., Kishino, H. and Fujise, Y. 1990. Some analyses on age composition and segregation of southern minke whales using samples obtained by the Japanese feasibility study in 1987/88. *Rep. int. Whal. Commn* 40: 249–256.
- Nagasaki, F. 1990. The Case for Scientific Whaling. *Nature* 334: 189–190.
- Tanaka, S. 1990. Estimation of natural mortality coefficient of whales from the estimates of abundance and age composition data obtained from research catches. *Rep. int. Whal. Commn* 40: 531–536.
- #### 1991 (9)
- Bergh, M.O., Butterworth, D.S. and Punt, A.E. 1991. Further examination of the potential information content of age-structure data from Antarctic minke whale research catches. *Rep. int. Whal. Commn* 41: 349–361.
- Ichii, T. and Kato, H. 1991. Food and daily food consumption of southern minke whales in the Antarctic. *Polar Biol* 11 (7): 479–487.
- Kasamatsu, F., Kishino, H. and Taga, Y. 1991. Estimation of southern minke whale abundance and school size composition based on the 1988/89 Japanese feasibility study data. *Rep. int. Whal. Commn* 41: 293–301.
- Kato, H., Fujise, Y. and Kishino, H. 1991. Age structure and segregation of southern minke whales by the data obtained during Japanese research take in 1988/89. *Rep. int. Whal. Commn* 41: 287–292.
- Kato, H. and Miyashita, T. 1991. Migration strategy of southern minke whales in relation to reproductive cycles estimated from foetal lengths. *Rep. int. Whal. Commn* 41: 363–369.
- Kato, H., Zenitani, R. and Nakamura, T. 1991. Inter-reader calibration in age readings of earplugs from southern

- minke whale, with some notes of age readability. *Rep. int. Whal. Commn* 41: 339–343.
- Kishino, H., Kato, H., Kasamatsu, F. and Fujise, Y. 1991. Detection of heterogeneity and estimation of population characteristics from the field survey data: 1987/88 Japanese feasibility study of the Southern Hemisphere minke whales. *Ann. Inst. Statist. Math.* 43 (3): 435–453.
- Nakamura, T. 1991. A new look at a Bayesian cohort model for time-series data obtained from research takes of whales. *Rep. int. Whal. Commn* 41: 345–348.
- Wada, S., Kobayashi, T. and Numachi, K. 1991. Genetic variability and differentiation of mitochondrial DNA in minke whales. *Rep. int. Whal. Commn* (special issue) 13: 203–215.
- 1992 (2)**
- Nakamura, T. 1992. Simulation trials of a Bayesian cohort model for time-series data obtained from research takes of whales. *Rep. int. Whal. Commn* 42: 421–427.
- Tanaka, S., Kasamatsu, F. and Fujise, Y. 1992. Likely precision of estimates of natural mortality rates from Japanese research data for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 42: 413–420.
- 1993 (7)**
- Fujise, Y., Ishikawa, H., Saino, S., Nagano, M., Ishii, K., Kawaguchi, S., Tanifuji, S., Kawashima, S. and Miyakoshi H. 1993. Cruise report of the 1991/92 Japanese research in Area IV under the special permit for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 43: 357–371.
- Hasunuma, R., Ogawa, T., Fujise, Y. and Kawanishi, Y. 1993. Analysis of selenium metabolites in urine samples of minke whale (*Balaenoptera acutorostrata*) using ion exchange chromatography. *Comp. Biochem. Physiol.* 104C (1): 87–89.
- Itoh, S., Takenaga, F. and Tsuyuki, H. 1993. Studies on lipids of the Antarctic minke whale. II. The fatty acid compositions of the blubber oils of minke whale and dwarf minke whale caught on 1988/89 and 1989/90 seasons. *Yukagaku* 42 (12): 1007–1011 (in Japanese).
- Iwata, H., Tanabe, S., Sakai, N. and Tatsukawa, R. 1993. Distribution of persistent organochlorines in the oceanic air and surface seawater and the role of ocean on their global transport and fate. *Environ. Sci. Technol.* 27: 1080–1098.
- Kasamatsu, F., Yamamoto, Y., Zenitani, R., Ishikawa, H., Ishibashi, T., Sato, H., Takashima, K. and Tanifuji, S. 1993. Report of the 1990/91 southern minke whale research cruise under scientific permit in Area V. *Rep. int. Whal. Commn* 43: 505–522.
- Nakamura, T. 1993. Two-stage Bayesian cohort model for time-series data to reduce bias in the estimate of mean natural mortality rate. *Rep. int. Whal. Commn* 43: 343–348.
- Pastene, L.A., Kobayashi, T., Fujise, Y. and Numachi, K. 1993. Mitochondrial DNA differentiation in Antarctic minke whales. *Rep. int. Whal. Commn* 43: 349–355.
- 1994 (3)**
- Kimoto, H., Endo, Y. and Fujimoto, K. 1994. Influence of interesterification on the oxidative stability of marine oil triacylglycerols. *JAACS* 71 (5): 469–473.
- Pastene, L.A., Fujise, Y. and Numachi, K. 1994. Differentiation of mitochondrial DNA between ordinary and dwarf forms of southern minke whale. *Rep. int. Whal. Commn* 44: 277–281.
- Yoshioka, M., Okumura, T., Aida, K. and Fujise, Y. 1994. A proposed technique for quantifying muscle progesterone content in the minke whales (*Balaenoptera acutorostrata*). *Can. J. Zool.* 72: 368–370.
- 1995 (3)**
- Fukui, Y., Mogoe, T., Terawaki, Y., Ishikawa, H., Fujise, Y. and Ohsumi, S. 1995. Relationship between physiological status and serum constituent values in minke whales (*Balaenoptera acutorostrata*). *Journal of Reproduction and Development* 41 (3): 203–208.
- Ishikawa, H. and Amasaki, H. 1995. Development and physiological degradation of tooth buds and development of rudiment of baleen plate in Southern minke whale, *Balaenoptera acutorostrata*. *J. Vet. Med. Sci.* 57 (4): 665–670.
- Kasamatsu, F., Nishiwaki, S. and Ishikawa, H. 1995. Breeding areas and southbound migrations of southern minke whales *Balaenoptera acutorostrata*. *Mar. Ecol. Prog. Ser.* 119: 1–10.
- 1996 (7)**
- Bakke, I., Johansen, S., Bakke, O. and El-Gewely, M.R. 1996. Lack of population subdivision among the minke whales (*Balaenoptera acutorostrata*) from Icelandic and Norwegian waters based on mitochondrial DNA sequences. *Marine Biology* 125: 1–9.
- Butterworth, D.S. and Geromont, H.F. 1996. On the provision of advice on the effect on stock(s) of scientific permit catches, with particular reference to proposed research catches of minke whales from Antarctic Area IV. *Rep. int. Whal. Commn* 46: 653–655.
- Butterworth, D.S., Punt, A.E., Geromont, H.F., Kato, H. and

- Miyashita, T. 1996. An ADAPT approach to the analysis of catch-at-age information for Southern Hemisphere minke whales. *Rep. int. Whal. Commn* 46: 349–359.
- Fukui, Y., Mogoe, T., Jung, Y.G., Terawaki, Y., Miyamoto, A., Ishikawa, H., Fujise, Y. and Ohsumi, S. 1996. Relationships among morphological status, steroid hormones, and post-thawing viability of frozen spermatozoa of male minke whales (*Balaenoptera acutorostrata*). *Marine Mammal Science* 12 (1): 28–37.
- Iga, K., Fukui, Y., Miyamoto, A., Ishikawa, H. and Ohsumi, S. 1996. Endocrinological observations of female minke whales (*Balaenoptera acutorostrata*). *Marine Mammal Science* 12 (2): 296–301.
- Matsuoka, K., Fujise, Y. and Pastene, L.A. 1996. A sighting of a large school of the pygmy right whale, *Caperea marginata* in the southeast Indian Ocean. *Marine Mammal Science* 12 (4): 594–597.
- Pastene, L.A., Goto, M., Itoh, S. and Numachi, K. 1996. Spatial and temporal patterns of mitochondrial DNA variation in minke whale from Antarctic Areas IV and V. *Rep. int. Whal. Commn* 46: 305–314.
- 1997 (3)**
- Aono, S., Tanabe, S., Fujise, Y., Kato, H. and Tatsukawa, R. 1997. Persistent organochlorines in minke whale (*Balaenoptera acutorostrata*) and their prey species from the Antarctic and the North Pacific. *Environmental Pollution* 98: 81–89.
- Fukui, Y., Mogoe, T., Ishikawa, H. and Ohsumi, S. 1997a. Factors affecting *in vitro* maturation of minke whale (*Balaenoptera acutorostrata*) follicular oocytes. *Biology of Reproduction* 56: 523–528.
- Fukui, Y., Mogoe, T., Ishikawa, H. and Ohsumi, S. 1997b. *In vitro* fertilization of *in vitro* matured minke whale (*Balaenoptera acutorostrata*) follicular oocytes. *Marine Mammal Science* 13 (3): 395–404.
- 1998 (7)**
- Ichii, T., Shinohara, N., Fujise, Y., Nishiwaki, S. and Matsuoka, K. 1998. Interannual changes in body fat condition index of minke whales in the Antarctic. *Mar. Ecol. Prog. Ser.* 175: 1–12.
- Ito, S., Takenaga, F. and Tsuyuki, H. 1998. Lipids in Antarctic minke whales III. Site and sexual differences of muscle lipids. *J. Jpn. Oil Chem. Soc.* 47 (2): 191–194 (in Japanese).
- Kida, M.Y. 1998. Morphology of the tracheobronchial tree and the route of the pulmonary artery in the fetal minke whale (*Balaenoptera acutorostrata*). *Okajimas Folia Anat. Jpn.* 75 (5): 251–258.
- Mogoe, T., Fukui, Y., Ishikawa, H. and Ohsumi, S. 1998a. Morphological observations of frozen-thawed spermatozoa of Southern minke whales (*Balaenoptera acutorostrata*). *Journal of Reproduction and Development* 44 (1): 95–100.
- Mogoe, T., Fukui, Y., Ishikawa, H. and Ohsumi, S. 1998b. Effects of diluent composition and temperature on motility and viability after liquid storage and cryopreservation of minke whale (*Balaenoptera acutorostrata*) spermatozoa. *Marine Mammal Science* 14 (4): 854–860.
- Nagasawa, K., Yamada, T.K. and Ishikawa, H. 1998. Measurements of the skeleton of a minke whale (*Balaenoptera acutorostrata*) from the Antarctic Ocean. *Bulletin of the Yamagata Prefectural Museum* 20: 1–19.
- Terabayashi, T. and Kawanishi, Y. 1998. Naturally occurring ganglioside lactones in minke whale brain. *Carbohydrate Research* 307 (3): 281–290.
- 1999 (4)**
- Bannister, J.L., Pastene, L.A. and Burnell, S.R. 1999. First record of movement of a southern right whale (*Eubalaena australis*) between warm water breeding grounds and the Antarctic Ocean, South of 60°S. *Marine Mammal Science* 15 (4): 1337–1342.
- Butterworth, D.S., Punt, A.E. Geromont, H.F., Kato, H. and Fujise, Y. 1999. Inferences on the dynamics of Southern Hemisphere minke whales from ADAPT analyses of catch-at-age information. *J. Cetacean Res. Manage.* 1 (1): 11–32.
- Ishikawa, H., Amasaki, H., Dohguchi, H., Furuya, A. and Suzuki, K. 1999. Immunohistological distributions of fibronectin, tenascin, type I, III and IV collagens, and laminin during tooth development and degeneration in fetuses of minke whale, *Balaenoptera acutorostrata*. *J. Vet. Med. Sci.* 61 (3): 227–232.
- Thomson, R.B., Butterworth, D.S. and Kato, H. 1999. Has the age at transition of southern hemisphere minke whales declined over recent decades? *Marine Mammal Science* 15 (3): 661–682.
- 2000 (5)**
- Asada, M., Horii, M., Mogoe, T., Fukui, Y., Ishikawa, H. and Ohsumi, S. 2000. *In vitro* maturation and ultrastructural observation of cryopreserved minke whale (*Balaenoptera acutorostrata*) follicular oocytes. *Biology of Reproduction* 62 (2): 253–259.
- Kasamatsu, F., Matsuoka, K. and Hakamada, T. 2000. Interspecific relationships in density among the whale community in the Antarctic. *Polar Biol* 23 (7): 466–473.

- Mogoe, T., Suzuki, T., Asada, M., Fukui, Y., Ishikawa, H. and Ohsumi, S. 2000. Functional reduction of the Southern minke whale (*Balaenoptera acutorostrata*) testis during the feeding season. *Marine Mammal Science* 16 (3): 559–569.
- Rosenbaum, H.C., Brownell, R.L., Brown, M.W., Schaeff, C., Portway, V., White, B.N., Malik, S., Pastene, L.A., Pate-neude, N.J., Baker, C.S., Goto, M., Best, P.B., Clapham, P.J., Hamilton, P., Moore, M., Payne, R., Rowntree, V., Tynan, C.T., Bannister, J.L. and DeSalle, R. 2000. World-wide genetic differentiation of *Eubalaena*: questioning the number of right whale species. *Molecular Ecology* 9: 1793–1802.
- Wei, H. and Fukui, Y. 2000. Fertilizability of ovine, bovine or minke whale (*Balaenoptera acutorostrata*) spermatozoa intracytoplasmically injected into bovine oocytes. *Zygote* 8 (3): 267–274.
- 2001 (3)**
- Asada, M., Tetsuka, M., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2001. Improvement on *in vitro* maturation, fertilization and development of minke whale (*Balaenoptera acutorostrata*) oocytes. *Theriogenology* 56 (4): 521–533.
- Asada, M., Wei, H., Nagayama, R., Tetsuka, M., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2001. An attempt at intracytoplasmic sperm injection of frozen-thawed minke whale (*Balaenoptera bonaerensis*) oocytes. *Zygote* 9 (3): 299–307.
- Suzuki, T., Mogoe, T., Asada, M., Miyamoto, A., Tetsuka, M., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2001. Plasma and pituitary concentrations of gonadotropins (FSH and LH) in minke whales (*Balaenoptera acutorostrata*) during the feeding season. *Theriogenology* 55 (5): 1127–1141.
- 2002 (6)**
- Abe, H. and Goto, M. 2002. The application of microsatellite DNA for determining population structure of minke whale. pp. 109–113. In: Nishimura, A. (Ed). *Technical Reports of the Hokkaido National Fisheries Research Institute No.5*. Hokkaido National Fisheries Research Institute, Hokkaido.
- Kunito, T., Watanabe, I., Yasunaga, G., Fujise, Y. and Tanabe, S. 2002. Using trace elements in skin to discriminate the populations of minke whale in southern hemisphere. *Marine Environmental Research* 53: 175–197.
- Murase, H., Matsuoka, K., Ichii, T. and Nishiwaki, S. 2002. Relationship between the distribution of euphausiids and baleen whales in the Antarctic (35°E–145°W). *Polar Biol* 25 (2): 135–145.
- Pastene, L.A., Goto, M. and Kanda, N. 2002. The utility of DNA analysis for the management and conservation of large whales. *Fish Sci* 68 (Suppl. I): 286–289.
- Suzuki, M., Ishikawa, H., Otani, S., Tobayama, T., Katsumata, E., Ueda, K., Uchida, S., Yoshioka, M. and Aida, K. 2002. The characteristics of adrenal glands and its hormones in cetacean. *Fish Sci* 68 (Suppl. I): 272–275.
- Urashima, T., Sato, H., Munakata, J., Nakamura, T., Arai, I., Saito, T., Tetsuka, M., Fukui, Y., Ishikawa, H., Lyndersen, C. and Kovacs, K.M. 2002. Chemical characterization of the oligosaccharides in beluga (*Delphinapterus leucas*) and minke whale (*Balaenoptera acutorostrata*) milk. *Comparative Biochemistry and Physiology Part B* 132: 611–624.
- 2003 (5)**
- Hayashi, K., Nishida, S., Yoshida, H., Goto, M., Pastene, L.A. and Koike, H. 2003. Sequence variation of the *DQB* allele in the cetacean MHC. *Mammal Study* 28 (2): 89–96.
- Matsuoka, K., Watanabe, T., Ichii, T., Shimada, H. and Nishiwaki, S. 2003. Large whale distributions (south of 60°S, 35°E–130°E) in relation to the Southern Boundary of the Antarctic Circumpolar Current. pp. 26–30. In: *Antarctic Biology in a Global Context*. Proceedings of the VIIIth SCAR International Biology Symposium, 27 August–1 September 2001. Vrije Universiteit, Amsterdam, The Netherlands, Backhuys Publishers, Leiden.
- Nishida, S., Hayashi, K., Pastene, L.A., Goto, M., Kanda, N. and Koike, H. 2003. Polymorphic analysis of cetacean MHC - A case study on the minke whales -. *Mammalian Science* (Suppl.) 3: 75–78 (in Japanese).
- Nishida, S., Pastene, L.A., Goto, M. and Kanda, N. 2003. SRY gene structure and phylogeny in the cetacean species. *Mammal Study* 28 (1): 57–66.
- Ohishi, K., Zenitani, R., Bando, T., Goto, Y., Uchida, K., Maruyama, T., Yamamoto, S., Miyazaki, N. and Fujise, Y. 2003. Pathological and serological evidence of *Bruceella*-infection in baleen whales (Mysticeti) in the western North Pacific. *Comp. Immun. Microbiol. Infect. Dis.* 26 (2): 125–136.
- 2004 (8)**
- Amemiya, K., Iwanami, Y., Kobayashi, T., Terao, T., Fukui, Y., Ishikawa, H., Ohsumi, S., Hirabayashi, M. and Hochi, S. 2004. Acquirement of oocyte-activating factor in Antarctic minke whale (*Balaenoptera bonaerensis*) spermatogenic cells, assessed by meiosis resumption of microinseminated mouse oocytes. *J. Mamm. Ova*

Res. 21: 149–156.

Branch, T.A., Matsuoka, K. and Miyashita, T. 2004. Evidence for increase in Antarctic blue whales based on Bayesian modeling. *Marine Mammal Science* 20 (4): 726–754.

Fujihira, T., Kinoshita, M., Sasaki, M., Ohnishi, M., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2004. Comparative studies on lipid analysis and ultrastructure in porcine and southern minke whale (*Balaenoptera bonaerensis*) oocytes. *Journal of Reproduction and Development* 50 (5): 525–532.

Fukui, Y., Togawa, M., Abe, N., Takano, Y., Asada, M., Okada, A., Iida, K., Ishikawa, H. and Ohsumi, S. 2004. Validation of the sperm quality analyzer and the hypo-osmotic swelling test for frozen-thawed ram and minke whale (*Balaenoptera bonaerensis*) spermatozoa. *Journal of Reproduction and Development* 50 (1): 147–154.

Ikumi, S., Sawai, K., Takeuchi, Y., Iwayama, H., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2004. Interspecies somatic cell nuclear transfer for *in vitro* production of Antarctic minke Whale (*Balaenoptera bonaerensis*) Embryos. *Cloning and Stem Cells* 6 (3): 284–293.

Iwayama, H., Hochi, S., Kato, M., Hirabayashi, M., Kuwayama, M., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2004. Effects of cryodevice type and donor's sexual maturity on vitrification of minke whale (*Balaenoptera bonaerensis*) oocytes at germinal vesicle-stage. *Zygote* 12 (4): 333–338.

Muranishi, Y., Sasaki, M., Hayashi, K., Abe, N., Fujihira, T., Ishikawa, H., Ohsumi, S., Miyamoto, A. and Fukui, Y. 2004. Relationship between the appearance of preantral follicles in the fetal ovary of Antarctic minke whales (*Balaenoptera bonaerensis*) and hormone concentrations in the fetal heart, umbilical cord and maternal blood. *Zygote* 12 (2): 125–132.

Tetsuka, M., Asada, M., Mogoe, T., Fukui, Y., Ishikawa, H. and Ohsumi, S. 2004. The pattern of ovarian development in the prepubertal Antarctic minke whale (*Balaenoptera bonaerensis*). *Journal of Reproduction and Development* 50 (4): 381–389.

2005 (6)

Ishikawa, H. and Shigemune, H. 2005. Improvements in more humane killing methods of Antarctic minke whales, *Balaenoptera bonaerensis*, in the Japanese Whale Research Program under Special Permit in the Antarctic Sea (JARPA). *Jpn. J. Zoo Wildl. Med.* 10 (1): 27–34.

Iwayama, H., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2005. Attempt at *in vitro* maturation of minke whale (*Balae-*

optera bonaerensis) oocytes using a portable CO₂ incubator. *Journal of Reproduction and Development* 51 (1): 69–75.

Matsuoka, K., Pitman, R. and Marques, F. 2005. A note on a pigmy right whale (*Caperea marginata*) sighting in the southwestern Pacific Ocean. *J. Cetacean Res. Manage.* 7(1): 71–73.

Matsuoka, K., Hakamada, T., Kiwada, H., Murase, H. and Nishiwaki, S. 2005. Abundance increases of large baleen whales in the Antarctic based on the sighting survey during Japanese Whale Research Program (JARPA). *Global Environmental Research* 9 (2): 105–115.

Nikaido, M., Sasaki, T., Makino, H., Goto, M., Kanda, N., Pastene, L.A. and Okada, N. 2005. Phylogenetic reconstruction of baleen whales and detection of their past extensive radiation event by the SINE insertion analysis. *Fossils* 77: 22–28 (in Japanese).

Sasaki, T., Nikaido, M., Hamilton, H., Goto, M., Kato, H., Kanda, N., Pastene, L.A., Cao, Y., Fordyce, R.E., Hasegawa, M. and Okada, N. 2005. Mitochondrial phylogenetics and evolution of mysticete whales. *Systematic Biology* 54 (1): 77–90.

2006 (9)

Fujihira, T., Kobayashi, M., Hochi, S., Hirabayashi, M., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2006. Developmental capacity of Antarctic minke whale (*Balaenoptera bonaerensis*) vitrified oocytes following *in vitro* maturation, and parthenogenetic activation or intracytoplasmic sperm injection. *Zygote* 14 (2): 89–95.

Honda, K., Aoki, M. and Fujise, Y. 2006. Echochemical approach using mercury accumulation of Antarctic minke whale, *Balaenoptera bonaerensis*, as tracer of historical change of Antarctic marine ecosystem during 1980–1999. *Bull. Environ. Contam. Toxicol.* 76: 140–147.

Iwanami, K., Mita, H., Yamamoto, Y., Fujise, Y., Yamada, T. and Suzuki, T. 2006. cDNA-derived amino acid sequences of myoglobins from nine species of whales and dolphins. *Comparative Biochemistry and Physiology, Part B* 145: 249–256.

Kobayashi, T., Amemiya, K., Takeuchi, K., Tsujioka, T., Tominaga, K., Hirabayashi, M., Ishikawa, H., Fukui, Y. and Hochi, S. 2006. Contribution of spermatozoal centrosomes to the microtubule-organizing centre in Antarctic minke whale (*Balaenoptera bonaerensis*). *Zygote* 14 (1): 45–51.

Konishi, K. 2006. Characteristics of blubber distribution and body condition indicators for Antarctic minke whale (*Balaenoptera bonaerensis*). *Mammal Study* 31 (1): 15–22.

- Mori, M. and Butterworth, D.S. 2006. A first step towards modelling the krill–predator dynamics of the Antarctic ecosystem. *CCAMLR Science* 13: 217–277.
- Nikaido, M., Hamilton, H., Makino, H., Sasaki, T., Takahashi, K., Goto, M., Kanda, N., Pastene, L.A. and Okada, N. 2006. Baleen whale phylogeny and a past extensive radiation event revealed by SINE insertion analysis. *Mol. Biol. Evol.* 23 (5): 866–873.
- Rock, J., Pastene, L.A., Kaufman, G., Forestell, P., Matsuoka, K. and Allen, J. 2006. A note on East Australia Group V Stock humpback whale movement between feeding and breeding areas based on photo-identification. *J. Cetacean Res. Manage.* 8 (3): 301–305.
- Yabuki, T., Suga, T., Hanawa, K., Matsuoka, K., Kiwada, H. and Watanabe, T. 2006. Possible source of the Antarctic bottom water in the Prydz Bay Region. *Journal of Oceanography* 62 (5): 649–655.
- 2007 (7)**
- Asada, M., Tetsuka, M., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2007. Ultrastructural changes during maturation and cryopreservation of follicular oocytes of Antarctic minke whales (*Balaenoptera bonaerensis*). *Jpn. J. Zoo. Wildl. Med.* 12 (1): 51–66.
- Branch, T.A., Stafford, K.M., Palacios, D.M., Allison, C., Bannister, J.L., Burton, C.L.K., Cabrera, E., Carlson, C.A., Galletti Vernazzani, B., Gill, P.C., Hucke-Gaete, R., Jenner, K.C.S., Jenner, Mn. M., Matsuoka, K., Mikhalev, Y.A., Miyashita, T., Morrice, M.G., Nishiwaki, S., Sturrock, V.J., Tormosov, D., Anderson, R.C., Baker, A.N., Best, P.B., Borsa, P., Brownell Jr, R.L., Childerhouse, S., Findlay, K.P., Gerrodette, T., Ilangakoon, A.D., Jørgensen, M., Kahn, B., Ljungblad, D.K., Maughan, B., Mccauley, R.D., Mckay, S., Norris, T.F., Oman Whale and Dolphin Research Group, Rankin, S., Samaran, F., Thiele, D., Van Waerebeek, K. and Warneke, R.M. 2007. Past and present distribution, densities and movements of blue whales in the Southern Hemisphere and adjacent waters. *Mammal Rev.* 37 (2): 116–175.
- LeDuc, R.G., Dizon, A.E., Goto, M., Pastene, L.A., Kato, H., Nishiwaki, S. and Brownell, R.L. 2007. Patterns of genetic variation in southern hemisphere blue whales, and the use of assignment test to detect mixing on the feeding grounds. *J. Cetacean Res. Manage.* 9 (1): 73–80.
- Nagai, H., Mogoe, T., Ishikawa, H., Hochi, S., Ohsumi, S. and Fukui, Y. 2007. Follicle size-dependent changes in follicular fluid components and oocyte diameter in Antarctic minke whales (*Balaenoptera bonaerensis*). *Journal of Reproduction and Development* 53 (6): 1265–1272.
- Nishida, S., Goto, M., Pastene, L.A., Kanda, N. and Koike, H. 2007. Phylogenetic relationships among cetaceans revealed by Y-chromosome sequences. *Zoological Science* 24 (7): 723–732.
- Onbe, K., Nishida, S., Sone, E., Kanda, N., Goto, M., Pastene, L.A., Tanabe, S. and Koike, H. 2007. Sequence variation in the *Tbx4* gene in marine mammals. *Zoological Science* 24 (5): 449–464.
- Pastene, L.A., Goto, M., Kanda, N., Zerbini, A.N., Kerem, D., Watanabe, K., Bessho, Y., Hasegawa, M., Nielsen, R., Larsen, F. and Palsbøll, P.J. 2007. Radiation and speciation of pelagic organisms during periods of global warming: the case of the common minke whale, *Balaenoptera acutorostrata*. *Molecular Ecology* 16: 1481–1495.
- 2008 (4)**
- Ishikawa, H. and Shigemune, H. 2008. Comparative experiment of whaling grenades in the Japanese Whale Research Program under Special Permit (JARPA and JARPN). *Jpn. J. Zoo Wildl. Med.* 13 (1): 21–28.
- Konishi, K., Tamura, T., Zenitani, R., Bando, T., Kato, H. and Walløe, L. 2008. Decline in energy storage in the Antarctic minke whale (*Balaenoptera bonaerensis*) in the Southern Ocean. *Polar Biol* 31 (2): 1509–1520.
- Ohishi, K., Fujise, Y. and Maruyama, T. 2008. *Brucella* spp. in the western North Pacific and Antarctic cetaceans: a review. *J. Cetacean Res. Manage.* 10 (1):67–72.
- Yunoki, K., Ishikawa, H., Fukui, Y. and Ohnishi, M. 2008. Chemical properties of epidermal lipids, especially sphingolipids, of the Antarctic minke whale. *Lipids* 43 (2): 151–159.
- 2009 (2)**
- Ono, N., Yamaguchi, T., Ishikawa, H., Arakawa, M., Takahashi, N. Saikawa, T. and Shimada, T. 2009. Morphological varieties of the Purkinje fiber network in mammalian hearts, as revealed by light and electron microscopy. *Arch Histol Cytol* 72 (3): 139–149.
- Tamura, T. and Konishi, K. 2009. Feeding habits and prey consumption of Antarctic minke whale (*Balaenoptera bonaerensis*) in the Southern Ocean. *J. Northw. Atl. Fish. Sci.* 42: 13–25.
- 2010 (15)**
- Fujise, Y., Nishiwaki, S. and Ishikawa, S. 2010. Overview of the Japanese Whale Research Program under Special Permit in the Antarctic (JARPA). *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 43–44 (in Japanese).

- Fujise, Y., Hatanaka, H. and Ohsumi, S. 2010. Changes in the Antarctic marine ecosystem as revealed by the JARPA research: What has happened to the Antarctic minke whale stocks? *Ottar* (Tromsø Museum) 280: 29–34 (in Norwegian).
- Glover, K.A., Kanda, N., Haug, T., Pastene, L.A., Øien, N., Goto, M., Seliussen, B.B. and Skaug, H.J. Migration of Antarctic minke whales to the Arctic. *PLoS ONE* 5 (12): e15197.
- Ishikawa, H. 2010. Animal Welfare - Introduction -. *Jpn. J. Zoo. Wildl. Med.* 15 (1): 1–3 (in Japanese).
- Ishikawa, H. 2010. Lethal Research for Wildlife. *Jpn. J. Zoo. Wildl. Med.* 15 (1): 9–14 (in Japanese).
- Kokubun, N., Yasuma, H., Murase, H. and Naganobu, M. 2010. Distribution of seabirds in the Ross Sea, Antarctica. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 42–43 (in Japanese).
- Matsuoka, K., Kiwada, K., Murase, H. and Nishiwaki, S. 2010. Whale species composition and their distribution patterns in the Ross Sea, Antarctica. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 44–45 (in Japanese).
- Murase, H., Matsuoka, K., Hakamada, T., Nishiwaki, S., Naganobu, M. and Kitakado, T. 2010. Estimation of spatial distribution pattern of cetacean using environmental covariates in the Ross Sea, Antarctica. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 47–48 (in Japanese).
- Naganobu, M. and Murase, H. 2010. Ecological linkage between oceanographic environment and distribution of top predators and their preys in the Ross Sea region. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 48–49 (in Japanese).
- Naganobu, M., Murase, H., Nishiwaki, S., Yasuma, H., Matsukura, R., Takao, Y., Taki, K., Hayashi, T., Watanabe, Y., Yabuki, T., Yoda, Y., Noiri, Y., Kuga, M., Yoshikawa, K., Kokubun, N., Iwami, T., K., Itoh, K., Goto, M., Isoda, T., Matsuoka, K., Tamura, T. and Fujise, Y. 2010. Structure of marine ecosystem of the Ross Sea, Antarctica—overview and synthesis of the results of the Japanese multidisciplinary study by *Kaiyo-Maru* and JARPA—. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 1–12.
- Naganobu, M., Nishiwaki, S., Nagai, N. and Tohyama, D. 2010. Multidisciplinary ecological survey by the R/V *Kaiyo Maru* and JARPA in the Ross Sea, Antarctica. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 34–35 (in Japanese).
- Pastene, L. A., Acevedo, J., Goto, M., Zerbini, A.N., Acuna, P. and Aguayo-Lobo, A. 2010. Population structure and possible migratory links of common minke whales, *Balaenoptera acutorostrata*, in the Southern Hemisphere. *Conserv Genet* 11 (4): 1553–1558.
- Tamura, T., Konishi, K., Nishiwaki, S., Taki, K., Hayashi, T. and Naganobu, M. 2010. Feeding ecology of the Antarctic minke whales in the Ross Sea, Antarctica. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 46–47 (in Japanese).
- Yabuki, T., Noiri, Y., Murase, H., Kiwada, H., Matsuoka, K. and Naganobu, M. 2010. Physical and chemical study of hydrographic feature based on the R/V *Kaiyo Maru* cruise and JARPA in the Ross Sea, Antarctica. *Bull. Jpn. Soc. Fish. Oceanogr.* 74: 35–36 (in Japanese).
- Zenitani, R. and Kato, H. 2010. The growth of baleen plates in Antarctic minke whales, with special reference to the V-shape notch appearing at the outer edge of the plates. *Nippon Suisan Gakkaishi* 76 (5): 870–876 (in Japanese with English abstract).
- 2011 (1)**
- Matsuoka, K., Hakamada, T., Kiwada, H., Murase, H. and Nishiwaki, S. 2011. Abundance estimates and trends for humpback whales (*Megaptera novaeangliae*) in Antarctic Areas IV and V based on JARPA sighting data. *J. Cetacean Res. Manage.* (special issue) 3: 75–94.
- 2012 (1)**
- *Sremba, A.L., Hancock-Hanser, B., Branch, T.A., LeDuc, R.L. and Baker, C.S. 2012. Circumpolar diversity and geographic differentiation of mtDNA in the critically endangered Antarctic blue whale (*Balaenoptera musculus intermedia*). *PLoS ONE* 7 (3): e32579.
- 2013 (6)**
- Glover, K.A., Kanda, N., Haug, T., Pastene, L.A., Øien, N., Seliussen, B.B., Sørvik, A.G.E. and Skaug, H.J. 2013. Hybrids between common and Antarctic minke whales are fertile and can back-cross. *BMC Genetics* 14: 25.
- Hakamada, T., Matsuoka, K., Nishiwaki, S. and Kitakado, T. 2013. Abundance estimates and trends for Antarctic minke whales (*Balaenoptera bonaerensis*) in Antarctic Areas IV and V for the period 1989/90–2004/05. *J. Cetacean Res. Manage.* 13 (2): 123–151.
- Kitakado, T., Lockyer, C. and Punt, A.E. 2013. A statistical model for quantifying age-reading errors and its application to the Antarctic minke whales. *J. Cetacean Res. Manage.* 13 (3): 181–190.
- Murase, H., Kitakado, T., Hakamada, T., Matsuoka, K., Nishiwaki, S. and Naganobu, M. 2013. Spatial distribution of Antarctic minke whales (*Balaenoptera bonaerensis*) in relation to spatial distributions of krill in the Ross Sea, Antarctica. *Fish. Oceanogr.* 22 (3): 154–173.
- Sasaki, M., Amano, Y., Hayakawa, D., Tsubota, T., Ishikawa, H., Mogoe, T., Ohsumi, S., Tetsuka, M., Miyamoto, A., Fukui, Y., Budipitojo, T. and Kitamura, N. 2013. Structure and steroidogenesis of the placenta in the Antarc-

- tic minke whale (*Balaenoptera bonaerensis*). *Journal of Reproduction and Development* 59 (2): 159–167.
- Shibata, Y., Matsuishi, T., Murase, H., Matsuoka, K., Hakamada, T., Kitakado, T. and Matsuda, H. 2013. Effects of stratification and misspecification of covariates on species distribution models for abundance estimation from virtual line transect survey data. *Fish Sci* 79 (4): 559–568.
- 2014 (3)**
- Konishi, K., Hakamada, T., Kiwada, H., Kitakado, T. and Walløe, L. 2014. Decrease in stomach contents in the Antarctic minke whale (*Balaenoptera bonaerensis*) in the Southern Ocean. *Polar Biol* 37 (2): 205–215.
- Punt, A.E. 2014. A summary history of the application of statistical catch-at-age analysis (SCAA) to Antarctic minke whales. *J. Cetacean Res. Manage.* 14: 81–92.
- Punt, A.E., Hakamada, T., Bando, T. and Kitakado, T. 2014. Assessment of Antarctic minke whales using statistical catch-at-age analysis (SCAA). *J. Cetacean Res. Manage.* 14: 93–116.
- 2015 (2)**
- Konishi, K. and Walløe, L. 2015. Substantial decline in energy storage and stomach fullness in Antarctic minke whales (*Balaenoptera bonaerensis*) during the 1990's. *J. Cetacean Res. Manage.* 15: 77–92.
- Yasunaga, G., Fujise, Y., Zenitani, R., Tanabe, S. and Kato, H. 2015. Spatial and temporal variation of PCBs and organochlorine pesticides in the Antarctic minke whales, *Balaenoptera bonaerensis*, in the period 1987–2005. *Chemosphere* 126: 11–17.
- 2016 (2)**
- Pastene, L.A. and Goto, M. 2016. Genetic characterization and population genetic structure of the Antarctic minke whale *Balaenoptera bonaerensis* in the Indo-Pacific region of the Southern Ocean. *Fish Sci* 82 (6): 873–886.
- Wada, N., Yamanaka, S., Shibato, J., Rakwal, R., Hirako, S., Iizuka, Y., Kim, H., Matsumoto, A., Kimura, A., Takenoya, F., Yasunaga, G. and Shioda, S. 2016. Behavioral and omics analyses study on potential involvement of dipeptide balenine through supplementation in diet of senescence-accelerated mouse prone 8. *Genomics Data* 10: 38–50.
- 2017 (3)**
- Isoda, T. and Tamura, T. 2017. Report of a White Adélie Penguin *Pygoscelis adeliae* in the Antarctic Ocean. *J. Yamashina Inst. Ornithol.* 48 (2): 74–77.
- *Leduc, R.G., Archer, F.I., Lang, A.R., Martien, K.K., Hancock-Hanser, B., Torres-Florez, J.P., Hucke-Gaete, R., Rosenbaum, H.C., VanWaerebeek, Bownell, R.L. and Taylor, B.L. 2017. Genetic variation in blue whales in the eastern pacific: implications for taxonomy and use of common wintering grounds. *Molecular Ecology* 26: 740–751.
- Yasunaga, G., Pastene, L.A., Bando, T., Hakamada, T. and Fujise, Y. 2017. Age estimation of Antarctic minke whales *Balaenoptera bonaerensis* based on aspartic acid racemization technique. *Fish Sci* 86 (6): 947–954.
- 2019 (1)**
- Inoue, S., Yasunaga, G. and Pastene, L.A. 2019. Comparison of progesterone concentrations in blubber and plasma among female Antarctic minke whales of known reproductive status. *Fish Sci* 85 (6): 971–977.
- 2020 (6)**
- Cunen, C., Walløe, L. and Hjort, N.L. 2020. Focused model selection for linear mixed models with an application to whale ecology. *Ann. Appl. Stat.* 14 (2): 872–904.
- Goto, M., Kitakado, T. and Pastene, L.A. 2020. A preliminary study of epigenetic estimation of age of the Antarctic minke whale *Balaenoptera bonaerensis*. *Cetacean Population Studies* 2: 5–14.
- Konishi, K., Isoda, T., Bando, T., Minamikawa, S. and Kleivane, L. 2020. Antarctic minke whales find ice gaps along the ice edge in foraging grounds of the Indo-Pacific sector (60°E and 140°E) of the Southern Ocean. *Polar Biol* 43 (4): 343–357.
- Matsuoka, K. and Hakamada, T. 2020. Density distribution of several major whale species in the Indo-Pacific region of Antarctic using JARPA and JARPAII sighting data obtained through 1987/88–2008/09 seasons. *Cetacean Population Studies* 2: 15–38.
- Murase, H., Palka, D., Punt, A.E., Pastene, L.A., Kitakado, T., Matsuoka, K., Hakamada, T., Okamura, H., Bando, T., Tamura, T., Konishi, K., Yasunaga, G., Isoda, T. and Kato, H. 2020. Review of the assessment of two stocks of Antarctic minke whales (eastern Indian Ocean and western South Pacific). *J. Cetacean Res. Manage.* 21: 95–122.
- Tanabe, A., Shimizu, R., Osawa, Y., Suzuki, M., Ito, S., Goto, M., Pastene, L.A., Fujise, Y. and Sahara, H. 2020. Age estimation by DNA methylation in Antarctic minke whales. *Fish Sci* 86 (1): 35–41.

JARPN/JARPNII/NEWREP-NP surveys

1996 (3)

Butterworth, D.S., Geromont H.F. and Wada S. 1996. Further analysis of allele frequency data to provide estimates of the extent of mixing between the various North Pacific minke whale stocks, and their implications for the status of the "O" stock. *Rep. int. Whal. Commn* 46: 443–451.

Kuramochi, T., Machida, M., Araki, J., Uchida, A., Kishiro, T. and Nagasawa, K. 1996. Minke whales (*Balaenoptera acutorostrata*) are one of the major final hosts of *Anisakis simplex* (Nematoda: Anisakidae) in the North-western North Pacific Ocean. *Rep. int. Whal. Commn* 46: 415–419.

Miyashita, T. and Fujise, Y. 1996. Abundance estimate of the western North Pacific minke whale in sub-area 9 with notes on the results of dedicated surveys. *Rep. int. Whal. Commn* 47: 543–551.

1997 (6)

Aono, S., Tanabe, S., Fujise, Y., Kato, H. and Tatsukawa, R. 1997. Persistent organochlorines in minke whale (*Balaenoptera acutorostrata*) and their prey species from the Antarctic and the North Pacific. *Environmental Pollution* 98: 81–89.

Araki, J., Kuramochi, T., Machida, M., Nagasawa, K. and Uchida, A. 1997. A note on the parasite fauna of the western North Pacific minke whale (*Balaenoptera acutorostrata*). *Rep. int. Whal. Commn* 47: 565–567.

Goto, M. and Pastene, L.A. 1997. Population structure of western North Pacific minke whale based on an RFLP analysis of mtDNA control region. *Rep. int. Whal. Commn* 47: 531–537.

Hatanaka, H. and Miyashita, T. 1997. On the feeding migration of the Okhotsk Sea-West Pacific stock of minke whales, estimates based on length composition data. *Rep. int. Whal. Commn* 47: 557–564.

Hatanaka, H. 1997. A short review of hypotheses on minke whale stock structure in the Northwestern part of the North Pacific. *Rep. int. Whal. Commn* 47: 553–555.

Pastene, L.A., Goto, M., Itoh, S., Wada, S. and Kato, H. 1997. Intra- and inter-oceanic patterns of mitochondrial DNA variation in the Bryde's whale, *Balaenoptera edeni*. *Rep. int. Whal. Commn* 47: 569–574.

1998 (4)

Lindstrøm, U., Fujise, Y., Haug, T. and Tamura, T. 1998. Feeding habits of western North Pacific minke whales,

Balaenoptera acutorostrata, as observed in July–September 1996. *Rep. int. Whal. Commn* 48: 463–469.

Pastene, L.A., Goto, M. and Kishino, H. 1998. An estimate of mixing proportion of 'J' and 'O' stocks minke whales in sub-area 11 based on mitochondrial DNA haplotype data. *Rep. int. Whal. Commn* 48: 471–474.

Tamura, T., Fujise, Y. and Shimazaki, K. 1998. Diet of minke whales *Balaenoptera acutorostrata* in the Northwestern part of the North Pacific in summer 1994 and 1995. *Fish Sci* 64 (1): 71–76.

Uchida, A., Kawakami, Y., Yuzu, S., Kishikawa, S., Kuramochi, T., Araki, J., Machida, M. and Nagasawa, K. 1998. Prevalence of parasites and histopathology of parasitisation in minke whales (*Balaenoptera acutorostrata*) from the western North Pacific Ocean and Southern Sea of Okhotsk. *Rep. int. Whal. Commn* 48: 475–479.

1999 (2)

Le, T.H.L., Takahashi, S., Saeki, K., Nakatani, N., Tanabe, S., Miyazaki, N. and Fujise, Y. 1999. High percentage of butyltin residues in total tin in the livers of cetaceans from Japanese coastal waters. *Environmental Science & Technology* 33 (11): 1781–1786.

Martinez, I. and Pastene, L.A. 1999. RAPD-typing of central and eastern North Atlantic and western North Pacific minke whales, *Balaenoptera acutorostrata*. *ICES Journal of Marine Science* 56 (5): 640–651.

2000 (2)

Punt, A.E., Butterworth, D.S. and Wada, S. 2000. On the use of allele frequency data within a Bayesian framework: evaluation of relative probabilities of alternative stock structure hypotheses for North Pacific minke whales. *J. Cetacean Res. Manage.* 2 (2): 151–158.

Uchida, A. and Araki, J. 2000. The ectoparasites and endoparasites in the minke whale, *Balaenoptera acutorostrata* from the western North Pacific Ocean. *J. Jpn. Vet. Med. Assoc.* 53 (2): 85–88 (in Japanese).

2001 (1)

Okamura, H., Matsuoka, K., Hakamada, T., Okazaki, M. and Miyashita, T. 2001. Spatial and temporal structure of the western North Pacific minke whale distribution inferred from JARPN sightings data. *J. Cetacean Res. Manage.* 3 (2): 193–200.

2002 (5)

Abe, H. and Goto, M. 2002. The application of microsatellite DNA for determining population structure of minke

- whale. pp. 109–113. *In*: Nishimura, A. (Ed). *Technical Reports of the Hokkaido National Fisheries Research Institute No.5*. Hokkaido National Fisheries Research Institute, Hokkaido.
- Cui, G., Punt, A.E., Pastene, L. A. and Goto, M. 2002. Bayes and Empirical Bayes approaches to addressing stock structure questions using mtDNA data, with an illustrative application to North Pacific minke whales. *J. Cetacean Res. Manage.* 4 (2): 123–134.
- Ohsumi, S. and Tamura, T. 2002. Dietary studies on baleen whales in the North Pacific. *Fish Sci* 68 (Suppl. 1): 260–263.
- Pastene, L.A., Goto, M. and Kanda, N. 2002. The utility of DNA analysis for the management and conservation of large whales. *Fish Sci* 68 (Suppl. 1): 286–289.
- Tamura T. and Fujise Y. 2002. Geographical and seasonal changes of the prey species of minke whale in the Northwestern Pacific. *ICES Journal of Marine Science* 59 (3): 516–528.
- 2003 (4)**
- Hayashi, K., Nishida, S., Yoshida, H., Goto, M., Pastene, L.A. and Koike, H. 2003. Sequence variation of the *DQB* allele in the cetacean MHC. *Mammal Study* 28 (2): 89–96.
- Nishida, S., Pastene, L.A., Goto, M. and Kanda, N. 2003. *SRY* gene structure and phylogeny in the cetacean species. *Mammal Study* 28 (1): 57–66.
- Nishida, S., Hayashi, K., Pastene, L.A., Goto, M., Kanda, N. and Koike, H. 2003. Polymorphic analysis of cetacean MHC - A case study on the minke whales -. *Mammalian Science* (Suppl.) 3: 75–78 (in Japanese).
- Ohishi, K., Zenitani, R., Bando, T., Goto, Y., Uchida, K., Maruyama, T., Yamamoto, S., Miyazaki, N. and Fujise, Y. 2003. Pathological and serological evidence of *Brucella*-infection in baleen whales (Mysticeti) in the western North Pacific. *Comp. Immun. Microbiol. Infect. Dis* 26 (2): 125–136.
- 2004 (5)**
- Kim, E.Y., Iwata, H., Fujise, Y. and Tanabe, S. 2004. Searching for novel CYP members using cDNA library from a minke whale liver. *Marine Environmental Research* 58: 495–498.
- Ohishi, K., Takishita, K., Kawato, M., Zenitani, R., Bando, T., Fujise, Y., Goto, Y., Yamamoto, S. and Maruyama, T. 2004. Molecular evidence of new variant *Brucella* in North Pacific common minke whales. *Microbes and Infection* 6: 1199–1204.
- Ohishi, K., Takishita, K., Kawato, M., Maruyama, T., Zenitani, R., Bando, T., Fujise, Y., Goto, Y. and Yamamoto, S. 2004. Molecular characterization of *Brucella* from North Pacific common minke whale. *Oceans'04*: 499–504.
- Watanabe, H., Mogoe, T., Asada, M., Hayashi, K., Fujise, Y., Ishikawa, H., Ohsumi, S., Miyamoto, A. and Fukui, Y. 2004. Relationship between serum sex hormone concentrations and histology of seminiferous tubules of captured baleen whales in the western North Pacific during the feeding season. *Journal of Reproduction and Development* 50 (4): 419–427.
- Zharikov, K., Fujise, Y., Tamura, T., Kiwada, H., Bando, T., Konishi, K. and Isoda, T. 2004. Distribution and feeding of large cetaceans based on the data of JARPN II - 2003 May, 17-July, 9. *Marine Mammals of the Holarctic* 2004: 207–210.
- 2005 (5)**
- Birukawa, N., Ando, H., Goto, M., Kanda, N., Pastene, L.A., Nakatsuji, H., Hata, H. and Urano, A. 2005. Plasma and urine levels of electrolytes, urea and steroid hormones involved in osmoregulation of cetaceans. *Zoological Science* 22 (11): 1245–1257.
- Nikaido, M., Sasaki, T., Makino, H., Goto, M., Kanda, N., Pastene, L.A. and Okada, N. 2005. Phylogenetic reconstruction of baleen whales and detection of their past extensive radiation event by the SINE insertion analysis. *Fossils* 77: 22–28 (in Japanese).
- Niimi, S., Watanabe, M.X., Kim, E.Y., Iwata, H., Yasunaga, G., Fujise, Y. and Tanabe, S. 2005. Molecular cloning and mRNA expression of cytochrome P4501A1 and 1A2 in the liver of common minke whales (*Balaenoptera acutorostrata*). *Marine Pollution Bulletin* 51 (8): 784–793.
- Ohishi, K., Takishita, K., Kawato, M., Zenitani, R., Bando, T., Fujise, Y., Goto, Y., Yamamoto, S. and Maruyama, T. 2005. Chimeric structure of *omp2* of *Brucella* from North Pacific common minke whales (*Balaenoptera acutorostrata*). *Microbiol. Immunol.* 49 (8): 789–793.
- Sasaki, T., Nikaido, M., Hamilton, H., Goto, M., Kato, H., Kanda, N., Pastene, L.A., Cao, Y., Fordyce, R.E., Hasegawa, M. and Okada, N. 2005. Mitochondrial phylogenetics and evolution of mysticete whales. *Systematic Biology* 54 (1): 77–90.
- 2006 (5)**
- Iwanami, K., Mita, H., Yamamoto, Y., Fujise, Y., Yamada, T. and Suzuki, T. 2006. cDNA-derived amino acid sequences of myoglobins from nine species of whales and dolphins. *Comparative Biochemistry and Physiol-*

ogy, Part B 145: 249–256.

Kanda, N., Goto, M. and Pastene, L.A. 2006. Genetic characteristics of western North Pacific sei whales, *Balaenoptera borealis*, as revealed by microsatellites. *Marine Biotechnology* 8: 86–93.

Mitani, Y., Bando, T., Takai, N. and Sakamoto, W. 2006. Patterns of stable carbon and nitrogen isotopes in the baleens of common minke whale *Balaenoptera acutorostrata* from the western North Pacific. *Fish Sci* 72 (1): 69–76.

Nikaido, M., Hamilton, H., Makino, H., Sasaki, T., Takahashi, K., Goto, M., Kanda, N., Pastene, L.A. and Okada, N. 2006. Baleen whale phylogeny and a past extensive radiation event revealed by SINE insertion analysis. *Molecular Biology and Evolution* 23 (5): 866–873.

Ohishi, K., Maruyama, T., Ninomiya, A., Kida, H., Zenitani, R., Bando, T., Fujise, Y., Nakamatsu, K., Miyazaki, N. and Boltunov, A.N. 2006. Serologic investigation of influenza A virus infection in cetaceans from the western North Pacific and the Southern Oceans. *Marine Mammal Science* 22 (1): 214–221.

2007 (11)

Fukui, Y., Iwayama, H., Matsuoka, T., Nagai, H., Koma, N., Mogoe, T., Ishikawa, H., Fujise, Y., Hirabayashi, M., Hochi, S., Kato, H. and Ohsumi, S. 2007. Attempt at intracytoplasmic sperm injection of *in vitro* matured oocytes in common minke whales (*Balaenoptera acutorostrata*) captured during the Kushiro coast survey. *Journal of Reproduction and Development*. 53 (4): 945–952.

Kanda, N., Goto, M., Kato, H., McPhee, M.V. and Pastene, L.A. 2007. Population genetic structure of Bryde's whales (*Balaenoptera brydei*) at the inter-oceanic and trans-equatorial levels. *Conservation Genetics* 8 (4): 853–864.

Konishi, K. and Tamura, T. 2007. Occurrence of the minimal armhook squids *Berryteuthis anonychus* (Cephalopoda: Gonatidae) in the stomachs of common minke whales *Balaenoptera acutorostrata* in the western North Pacific. *Fish Sci* 73 (5): 1208–1210.

Murase, H., Tamura, T., Kiwada, H., Fujise, Y., Watanabe, H., Ohizumi, H., Yonezaki, S., Okamura, H. and Kawahara, S. 2007. Prey selection of common minke (*Balaenoptera acutorostrata*) and Bryde's (*Balaenoptera edeni*) whales in the western North Pacific in 2000 and 2001. *Fish. Oceanogr.* 16 (2): 186–201.

Niimi, S., Kim, E.Y., Iwata, H., Watanabe, M.X., Yasunaga, G., Fujise, Y. and Tanabe, S. 2007. Identification and hepatic expression profiles of cytochrome P450 1–4

isozymes in common minke whales (*Balaenoptera acutorostrata*). *Comparative Biochemistry and Physiology, Part B* 147: 667–681.

Nishida, S., Goto, M., Pastene, L.A., Kanda, N. and Koike, H. 2007. Phylogenetic relationships among cetaceans revealed by Y-chromosome sequences. *Zoological Science* 24 (7): 723–732.

Onbe, K., Nishida, S., Sone, E., Kanda, N., Goto, M., Pastene, L.A., Tanabe, S. and Koike, H. 2007. Sequence variation in the Tbx4 Gene in marine mammals. *Zoological Science* 24 (5): 449–464.

Pastene, L.A., Goto, M., Kanda, N., Zerbini, A.N., Kerem, D., Watanabe, K., Bessho, Y., Hasegawa, M., Nielsen, R., Larsen, F. and Palsbøll, P.J. 2007. Radiation and speciation of pelagic organisms during periods of global warming: the case of the common minke whale, *Balaenoptera acutorostrata*. *Molecular Ecology* 16: 1481–1495.

Urashima, T., Kobayashi, M., Asakuma, S., Uemura, Y., Arai, I., Fukuda, K., Saito, T., Mogoe, T., Ishikawa, H. and Fukui, Y. 2007. Chemical characterization of the oligosaccharides in Bryde's whale (*Balaenoptera edeni*) and Sei whale (*Balaenoptera borealis*) milk. *Comparative Biochemistry and Physiology, Part B* 146: 153–159.

Watanabe, H., Tateno, H., Kusakabe, H., Kamiguchi, Y., Fujise, Y., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2007. Fertilizability and chromosomal integrity of frozen-thawed Bryde's whale (*Balaenoptera edeni*) spermatozoa intracytoplasmically injected into mouse oocytes. *Reproduction, Fertility and Development* 19 (1): 306.

Watanabe, H., Tateno, H., Kusakabe, H., Matsuoka, T., Kamiguchi, Y., Fujise, Y., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2007. Fertilizability and chromosomal integrity of frozen-thawed Bryde's whale (*Balaenoptera edeni*) spermatozoa intracytoplasmically injected into mouse oocytes. *Zygote* 15 (1): 9–14.

2008 (3)

Birukawa, N., Ando, H., Goto, M., Kanda, N., Pastene, L.A. and Urano, A. 2008. Molecular cloning of urea transporters from the kidneys of baleen and toothed whales. *Comparative Biochemistry and Physiology, Part B* 149: 227–235.

Ishikawa, H. and Shigemune, H. 2008. Comparative experiment of whaling grenades in the Japanese Whale Research Program under Special Permit (JARPA and JARPN). *Jpn. J. Zoo Wildl. Med.* 13 (1): 21–28.

Ohishi, K., Fujise, Y. and Maruyama, T. 2008. *Brucella* spp. in the western North Pacific and Antarctic cetaceans: a review. *J. Cetacean Res. Manage.* 10 (1): 67–72.

2009 (9)

- Bhuiyan, M.M.U., Suzuki, Y., Watanabe, H., Hirayama, H., Matsuoka, K., Fujise, Y., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2009. Attempts at in vitro fertilization and culture of in vitro matured oocytes in sei (*Balaenoptera borealis*) and Bryde's (*B. edeni*) whales. *Zygote* 17 (1): 19–28.
- Fujita, H., Honda, K., Hamada, N., Yasunaga, G and Fujise, Y. 2009. Validation of high-throughput measurement system with microwave-assisted extraction, fully automated sample preparation device, and gas chromatography-electron capture detector for determination of polychlorinated biphenyls in whale blubber. *Chemosphere* 74: 1069–1078.
- Hiwasa, M., Suzuki, Y., Watanabe, H., Bhuiyan, M.M.U., Matsuoka, K., Fujise, Y., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2009. Effects of semen extenders and storage temperatures on characteristics of frozen-thawed Bryde's (*Balaenoptera edeni*) whale spermatozoa. *Journal of Reproduction and Development* 55: 599–606.
- Konishi, K., Tamura T., Isoda, T. Okamoto, R., Hakamada, T., Kiwada, H. and Matsuoka, K. 2009. Feeding strategies and prey consumption of three baleen whale species within the Kushiro-Current Extension. *J. Northw. Atl. Fish. Sci.* 42: 27–40.
- Lee, E., Bhuiyan, M.M.U., Watanabe, H., Matsuoka, K., Fujise, Y., Ishikawa, H. and Fukui, Y. 2009. Production of cloned sei whale (*Balaenoptera borealis*) embryos by interspecies somatic cell nuclear transfer using enucleated pig oocytes. *J. Vet. Sci.* 10 (4): 285–292.
- Matsukura, R., Yasuma, H., Murase, H., Yonezaki, S., Funamoto, T., Honda, S. and Miyashita, K. 2009. Measurements of density contrast and sound-speed contrast for target strength estimation of Neocalanus copepods (*Neocalanus cristatus*) in the North Pacific Ocean. *Fish Sci* 75 (6): 1377–1387.
- Murase, H., Ichihara, M., Yasuma, H., Watanabe, H., Yonezaki, S., Nagashima, H., Kawahara, S. and Miyashita, T. 2009. Acoustic characterization of biological backscatterings in the Kuroshio-Oyashio inter-frontal zone and subarctic waters of the western North Pacific in spring. *Fish. Oceanogr.* 18 (6): 386–401.
- Murase, H., Nagashima, H., Yonezaki, S., Matsukura, R. and Kitakado, T. 2009. Application of a generalized additive model (GAM) to reveal relationships between environmental factors and distributions of pelagic fish and krill: a case study in Sendai Bay, Japan. *ICES Journal of Marine Science* 66 (6): 1417–1424.
- Tsuki, K., Sato, A., Kaneko, H., Yasunaga, G., Fujise, Y. and Nomata, H. 2009. Comparison of physiologically sig-

nificant imidazole dipeptides in cetaceans sampled in Japanese whale research (short paper). *Sci. Rep. Hokkaido Fish. Exp. Stn.* 74: 25–28 (in Japanese).

2010 (7)

- Bhuiyan, M.M.U., Suzuki, Y., Watanabe, H., Lee, E., Hirayama, H., Matsuoka, K., Fujise, Y., Ishikawa, H., Ohsumi, S. and Fukui, Y. 2010. Production of sei whale (*Balaenoptera borealis*) cloned embryos by inter- and intra-species somatic cell nuclear transfer. *Journal of Reproduction and Development* 56: 131–139.
- Funakasa, N., Yoshioka, M. and Fujise, Y. 2010. Features of the Ocular Harderian Gland in three Balaenopterid species based on anatomical, histological and histochemical observations. *Mammal Study* 35 (1): 9–15.
- Ogawa, G., Ishida, M., Kato, H., Fujise, H. and Urano, N. 2010. Identification of facultative anaerobic bacteria isolated from the intestine of the minke whale *Balaenoptera acutorostrata* by 16S rRNA sequencing analysis. *Fish Sci* 76 (2): 177–181.
- Pastene, L.A., Fujise, Y. and Hatanaka, H. 2010. JARPNII: a challenging multidiscipline research program focused on whales in the western North Pacific. *Ottar* (Tromsø Museum) 280: 23–28 (in Norwegian).
- Shishido, R., Ohishi, K., Suzuki, R., Takishita, K., Ohtsu, D., Okutsu, K., Tokutake, K., Katsumata, E., Bando, T., Fujise, Y., Murayama, T. and Maruyama, T. 2010. Cetacean Toll-like receptor 4 and myeloid differentiation factor 2, and possible cetacean-specific responses against Gram-negative bacteria. *Comp. Immun. Microbiol. Infect. Dis.* 33 (6): 89–98.
- Suzuki, Y., Umatani, M., Bhuiyan, M.M.U., Watanabe, H., Mogoe, T., Matsuoka, K., Fujise, Y., Ishikawa, H., Ohsumi, S., Sasaki, M. and Fukui, Y. 2010. Effects of equilibration steps, type of sugars and addition of whale follicular fluid on viability and in vitro maturation of vitrified whale oocytes. *Jpn. J. Zoo Wildl. Med* 15 (2): 65–72.
- Tojo, N., Matsukura, R., Yasuma, H., Yonezaki, S., Watanabe, H., Kawahara, S., Murase, H. and Miyashita, K. 2010. Spatial analysis of isada krill (*Euphausia pacifica*) distribution in frontal environments in the North Pacific Ocean. *GIS/spatial analyses in fisheries and aquatic science*. 4. International Fishery GIS Society: 115–138.

2011 (20)

- Hakamada, T. and Matsuoka, K. 2011. Abundance estimate for common minke, Bryde's and sei whales in the offshore region of the western North Pacific. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 173–174 (in Japanese).

- Kanda, N., Goto, M. and Pastene, L. A. 2011. Genetic stock structure of baleen whales. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 191 (in Japanese).
- Kato, H. and Fujise, Y. 2011. General discussion: Symposium on "Marine ecosystem of the western North Pacific with special interest in cetaceans." *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 194–195 (in Japanese).
- Kishiro, T., Yoshida, H., Tamura, T., Konishi, K., Kanda, N., Okamoto, R. and Kato, H. 2011. Relationship between maturity and feeding ecology of common minke whales off Kushiro in autumn. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 175–176 (in Japanese).
- Maehara, T., Aoki, I., Yonezaki, S., Watanabe, H., Murase, H. and Yamaguchi, A. 2011. Feeding ecology of the Japanese anchovy in the offshore area east of Honshu, Japan in summer. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 187 (in Japanese).
- Matsuoka, K., Kiwada, H., Fujise, Y. and Miyashita, T. 2011. Distribution of baleen whales in the western North Pacific based on the JARPN and JARPN II sighting surveys (1994 to 2007). *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 178–179 (in Japanese).
- Miyashita, K., Matsukura, R., Tojo, N., Minami, K., Yasuma, H., Nagashima, H., Onodera, K., Watanabe, H., Yonezaki, S. and Murase, H. 2011. Monitoring of prey of cetaceans by using quantitative echosounders. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 183–184 (in Japanese).
- Mori, M., Watanabe, H., Hakamada, T., Tamura, T., Konishi, K., Murase, H. and Matsuoka, K. 2011. Development of an ecosystem model of western North Pacific using Ecopath with Ecosim. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 189 (in Japanese).
- Murase, H., Kawabata, A., Kubota, H., Nakagami, M., Amakasu, K., Abe, K., Miyashita, K. and Oozeki, Y. 2011. Effect of depth-dependent target strength on biomass estimation of Japanese anchovy. *Journal of Marine Science and Technology* 19: 267–272.
- Murase, H., Tamura, T., Isoda, T., Okamoto, R., Kato, H., Yonezaki, S., Watanabe, H., Tojo, N., Matsukura, R., Miyashita, K., Kiwada, H., Matsuoka, K., Nishiwaki, S., Inagake, D., Okazaki, M., Okamura, H. and Fujise, Y. 2011. Prey selection of common minke, Bryde's and sei whales in the offshore region of the western North Pacific. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 180–181 (in Japanese).
- Nishiwaki, S., Otani, S. and Tamura, T. 2011. The satellite tracking of the western North Pacific. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 193–194 (in Japanese).
- Onodera, K., Nagashima, H., Matsukura, R., Miyashita, K., Yonezaki, S. and Murase, H. 2011. Cetacean prey species and oceanographic surveys in Sendai Bay. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 184–185 (in Japanese).
- Pastene, L.A., Hatanaka, H., Fujise, Y., Kanda, N., Murase, H., Tamura, T., Miyashita, T. and Kato, H. 2011. Whale research program under special permit in the western North Pacific—Phase II (JARPNII): origin and objectives. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 172–173 (in Japanese).
- Pastene, L.A., Hatanaka, H., Fujise, Y., Kanda, N., Murase, H., Tamura, T., Yasunaga, G., Kishiro, T., Yoshida, H., Miyashita, T. and Kato, H. 2011. The Japanese Whale Research Program under Special Permit in the western North Pacific Phase-II (JARPNII): origin, objectives and research progress made in the first six years period (2002–2007), including scientific considerations for the next research period. *Aquabiology* 33 (2): 171–185 (in Japanese).
- Sasaki, Y., Saito, S., Matsuoka, K., Murase, H. and Kiwada, H. 2011. Spatial distribution patterns of sei and Bryde's whales. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 179–180 (in Japanese).
- Tamura, T., Konishi, K., Isoda, T., Hakamada, T., Kiwada, H., Okamoto, R. and Matsuoka, K. 2011. The food habitat, relation of habitat factor and prey consumption of three baleen whale species in the offshore region of the western North Pacific. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 174–175 (in Japanese).
- Watanabe, H., Kiwada, H., Kumagai, S., Yonezaki, S., Kishiro, T., Konishi, K. and Yoshida, H. 2011. Habitat and prey selection of common minke whale off Kushiro in autumn—Estimation of distribution and migration of common minke whale using environmental information—*Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 182–183 (in Japanese).
- Yamaguchi, A., Hanamiya, Y., Murase, H. and Watanabe, H. 2011. Vertical flux of materials by diel vertical migration of macrozooplankton. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 185–186 (in Japanese).
- Yasunaga, G. and Fujise, Y. 2011. Monitoring of pollutants in the baleen whales and their prey species in the western North Pacific. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 190 (in Japanese).
- Yoshida, H., Kishiro, T., Goto, M., Bando, T., Tamura, T., Konishi, K., Okamoto, R. and Kato, H. 2011. Feeding ecology of common minke whales in coastal waters off Sanriku in spring. *Bull. Jpn. Soc. Fish. Oceanogr.* 75 (3): 177–178 (in Japanese).

2012 (4)

- Maeda, H. and Kato, H. 2012. Technical improvements

of the age character (earplug) collections in common minke whales. *Bull. Jpn. Soc. Fish. Oceanogr.* 76 (2): 59–65 (in Japanese).

Murase, H., Kawabata, A., Kubota, H., Nakagami, M., Amakasu, K., Abe, K., Miyashita, K. and Oozeki, Y. 2012. Basin-scale distribution patterns and biomass estimation of Japanese anchovy *Engraulis japonicus* in the western North Pacific. *Fish Sci* 78 (4): 761–773.

Nakamura, G., Kato, H. and Fujise, Y. 2012. Relative growth of the skull of the common minke whale *Balaenoptera acutorostrata* from the North Pacific in comparison to other *Balaenoptera* species. *Mammal Study* 37 (2): 105–112.

Watanabe, H., Okazaki, M., Tamura, T., Konishi, K., Inagake, D., Bando, T., Kiwada, H. and Miyashita, T. 2012. Habitat and prey selection of common minke, sei, and Bryde's whale in mesoscale during summer in the sub-arctic and transition regions of the western North Pacific. *Fish Sci* 78 (3): 557–567.

2013 (5)

*Kershaw, F., Leslie, M.S., Collins, T., Mansur, R.M., Smith, B.D., Minton, G., Baldwin, R., LeDuc, R.G., Anderson, R.C., Brownell, R.L. and Rosenbaum, H.C. 2013. Population differentiation of 2 forms of Bryde's whales in the Indian and Pacific Oceans. *Journal of Heredity* 104 (6): 755–764.

Maeda, H., Kawamoto, T. and Kato, H. 2013. A study on the improvement of age estimation in common minke whales using the method of gelatinized extraction of earplug. *NAMMCO Scientific Publications* 10: 17pp.

Matsukura, R., Sawada, K., Abe, K., Minami, K., Nagashima, H., Yonezaki, S., Murase, H. and Miyashita, K. 2013. Comparison of measurements and model calculations of target strength of juvenile sandeel in Sendai Bay. *Nippon Suisan Gakkaishi* 79 (4): 638–648 (in Japanese).

Sasaki, H., Murase, H., Kiwada, H., Matsuoka, K., Mitani, Y. and Saitoh, S. 2013. Habitat differentiation between sei (*Balaenoptera borealis*) and Bryde's whales (*B. brydei*) in the western North Pacific. *Fish. Oceanogr.* 22 (6): 496–508.

Shimizu, Y., Ohishi, K., Suzuki, R., Tajima, Y., Yamada, T., Kakizoe, Y., Bando, T., Fujise, Y., Taru, H., Murayama, T. and Maruyama, T. 2013. Amino acid sequence variations of signaling lymphocyte activation molecule and mortality caused by morbillivirus infection in cetaceans. *Microbiol Immunol* 57: 624–632.

2014 (6)

Inoue, S., Kishiro, T., Fujise, Y., Nakamura, G. and Kato, H. 2014. Seasonal changes in the testis of the North Pacific common minke whale. *Nippon Suisan Gakkaishi* 80 (2): 185–190 (in Japanese).

Murase, H., Hakamada, T., Matsuoka, K., Nishiwaki, S., Inagake, D., Okazaki, M., Tojo, N. and Kitakado, T. 2014. Distribution of sei whales (*Balaenoptera borealis*) in the subarctic–subtropical transition area of the western North Pacific in relation to oceanic fronts. *Deep Sea Research Part II: Topical Studies in Oceanography* 107: 22–28.

Nakamura, G., Kadowaki, I., Nagatsuka, S., Fujise, Y., Kishiro, T. and Kato, H. 2014. Variation in a color pattern of white patch on the flippers of North Pacific common minke whales: potential application for their interoceanic difference. *La mer* 52: 31–47.

Nakamura, G. and Kato, H. 2014. Developmental changes in the skull morphology of common minke whales *Balaenoptera acutorostrata*. *Journal of Morphology* 275: 1113–1121.

Niimi, S., Imoto, M., Kunisue, T., Watanabe, M.X., Kim, E.Y., Nakayama, K., Yasunaga, G., Fujise, Y., Tanabe, S. and Iwata, H. 2014. Effects of persistent organochlorine exposure on the liver transcriptome of the common minke whale (*Balaenoptera acutorostrata*) from the North Pacific. *Ecotoxicology and Environmental Safety* 108: 95–105.

*Rosel, P.E. and Wilcox, L.A. 2014. Genetic evidence reveals a unique lineage of Bryde's whales in the northern Gulf of Mexico. *Endang Species Res.* 25: 19–34.

2015 (1)

Kitayama, C., Sasaki, M., Ishikawa, H., Mogoe, T., Ohsumi, S., Fukui, Y., Budipitojo, T., Kondoh, D. and Kitamura, N. 2015. Structure and functions of the placenta in common minke (*Balaenoptera acutorostrata*), Bryde's (*B. brydei*) and sei (*B. borealis*) whales. *Journal of Reproduction and Development* 61 (5): 415–421.

2016 (6)

Hirako, S., Suzuki, M., Kim, H., Iizuka, Y., Matsumoto, A., Wada, N., Okabe, M., Takenoya, F., Yasunaga, G., Yamanaka, S., Miyazaki, A. and Shioda, S. 2016. Hepatic lipid accumulation is ameliorated in obese KK mice by dietary sei whale oil. *Fish Sci* 82 (3): 509–517.

Miyakawa, N., Kishiro, T., Fujise, Y., Nakamura, G. and Kato, H. 2016. Sexual Dimorphism in Pelvic Bone Shape of the North Pacific Common Minke Whales (*Balaenoptera acutorostrata*). *Open Journal of Animal*

Sciences 6: 131–136.

Murase, H., Tamura, T., Otani, S. and Nishiwaki, S. 2016. Satellite tracking of Bryde's whales *Balaenoptera edeni* in the offshore western North Pacific in summer 2006 and 2008. *Fish Sci* 82 (1): 35–45.

Nakamura, G., Kadowaki, I., Nagatsuka, S., Hayashi, R., Kanda, N., Goto, M., Pastene, L.A. and Kato, H. 2016. White patch on the fore-flipper of common minke whale, as a potential morphological index to identify stocks. *Open Journal of Animal Sciences* 6: 116–122.

Nakamura, G., Takahashi, M., Hirose, A., Hayashi, R., Fujise, Y., Miyakawa, N., Inoue, S. and Kato, H. 2016. Presence of an interparietal bone and morphological variation in the vertex of the skull in North Pacific common minke whale. *La mer* 54 (1): 1–10.

Ohishi, K., Bando, T., Abe, E., Kawai, Y., Fujise, Y. and Maruyama, T. 2016. Long-term and large-scale epidemiology of *Brucella* infection in baleen whales and sperm whales in the western North Pacific and Antarctic Oceans. *J. Vet. Med. Sci.* 78 (9): 1457–1464.

2017 (2)

Bando, T., Nakamura, G., Fujise, Y. and Kato, H. 2017. Developmental changes in the morphology of western North Pacific Bryde's whales (*Balaenoptera edeni*). *Open Journal of Animal Sciences* 7: 344–355.

Ishii, M., Murase, H., Fukuda, Y., Sawada, K., Sasakura, T., Tamura, T., Bando, T., Matsuoka, K., Shinohara, A., Nakatsuka, S., Katsumata, N., Okazaki, M., Miyashita, K. and Mitani, Y. 2017. Diving behavior of sei whales *Balaenoptera borealis* relative to the vertical distribution of their potential prey. *Mammal Study* 42 (4): 191–199.

2018 (3)

Hirose, A., Kishida, T. and Nakamura, G. 2018. Nasal mucosa resembling an olfactory system in the common minke whale (*Balaenoptera acutorostrata*). *Cetacean Population Studies* 1: 25–28.

Huijser, L.A.E., Bérubé, M., Cabrera, A.A., Prieto, R., Silva, M.A., Robbins, J., Kanda, N., Pastene, L.A., Goto, M., Yoshida, H., Vikingsson, G.A. and Palsbøll, P.J. 2018. Population structure of North Atlantic and North Pacific sei whales (*Balaenoptera borealis*) inferred from mitochondrial control region DNA sequences and microsatellite genotypes. *Conserv Genet* 19: 1007–1024.

Nakamura, G., Ryeng, K.A., Kadowaki, I., Hayashi, R., Nagatsuka, S., Hirose, A., Fujise, Y. and Haug, T. 2018. Comparison of shapes of the white flipper patch between two sub-species of common minke whales

(*Balaenoptera acutorostrata*). *Cetacean Population Studies* 1: 15–24.

2019 (1)

Watari, S., Murase, H., Yonezaki, S., Okazaki, M., Kiyofuji, H., Tamura, T., Hakamada, T., Kanaji, Y. and Kitakado, T. 2019. Ecosystem modeling in the western North Pacific using Ecopath, with a focus on small pelagic fishes. *Mar Ecol Prog Ser* 617–618: 295–305.

2020 (1)

Yasunaga, G. and Fujise, Y. 2020. Concentration of persistent organic pollutants (POPs) in three species of baleen whales in the western North Pacific. *Cetacean Population Studies* 2: 39–53.

Other surveys

1993 (1)

Fujise, Y., Ishikawa, H., Saino, S. and Kawasaki, M. 1993. Catch and struck-and-lost rate in the Japanese Dall's porpoise hand-harpoon fishery. *Rep. int. Whal. Commn* 43: 453–457.

1995 (1)

Shimada, H. and Pastene, L.A. 1995. Report of a sightings survey off the Solomon Islands with comments on Bryde's whale distribution. *Rep. int. Whal. Commn* 45: 413–418.

1997 (4)

Kimura, T., Ozawa, T. and Pastene, L.A. 1997. Sample preparation and analysis of mitochondrial DNA from whale baleen plates. *Marine Mammal Science* 13 (3): 495–498.

Ljungblad, D.K., Stafford, K.M., Shimada, H. and Matsuoka, K. 1997. Sounds attributed to blue whales recorded off the southwest coast of Australia in December 1995. *Rep. int. Whal. Commn* 47: 435–439.

Ohmagari, K. and Berkes, F. 1997. Transmission of indigenous knowledge and bush skills among the Western James Bay Cree Women of Subarctic Canada. *Human Ecology* 25 (2): 197–222.

Shimamura, M., Yasue, H., Ohshima, K., Abe, H., Kato, H., Kishiro, T., Goto, M., Munechika, I. and Okada, N. 1997. Molecular evidence from retroposons that whales form a clade within even-toed ungulates. *Nature* 388: 666–670.

1998 (2)

Miyazaki, N., Fujise, Y. and Iwata, K. 1998. Biological

analysis of a mass stranding of melon-headed whales (*Peponocephala electra*) at Aoshima. *Japan. Bull. Natn. Sci. Mus.*, Tokyo, Ser. A 24 (1): 31–60.

Otani, S., Naito, Y., Kawamura, A., Kawasaki, M., Nishiwaki, S. and Kato, A. 1998. Diving behavior and performance of harbor porpoises, *Phocoena phocoena*, in Fukuoka bay, Hokkaido, Japan. *Marine Mammal Science* 14 (2): 209–220.

1999 (4)

Iino, Y. 1999. Treaty Implementation: the 1946 International Convention for the Regulation of Whaling. System Compliance in Ocean Management. Southeast Asian Programme in Ocean Law. *Policy and Management*: 189–193.

Pastene, L.A. and Shimada, H. 1999. Report of a sighting survey in Chile's Exclusive Economic Zone with comments on sei whale distribution. *Anales Instituto Patagonia, Serie Cs. Nat.* 27: 51–62.

Shimamura, M., Abe, H., Nikaido, M., Ohshima, K. and Okada, N. 1999. Genealogy of families of SINEs in cetaceans and artiodactyls: the presence of a huge superfamily of tRNAGlu-derived families of SINEs. *Mol. Biol. Evol.* 16 (8): 1046–1060.

Yoshida, H. and Kato, H. 1999. Phylogenetic relationships of Bryde's whales in the western North Pacific and adjacent waters inferred from mitochondrial DNA sequences. *Marine Mammal Science* 15 (4): 1269–1286.

2000 (3)

Goto, M. and Ohsumi, S. 2000. Response to "Scientific Whaling Source of illegal Products for Market" By Baker *et al.* *Science* 290: 1695–1696.

Otani, S., Naito, Y., Kato, A. and Kawamura, A. 2000. Diving behavior and swimming speed of a free-ranging harbor porpoise, *Phocoena phocoena*. *Marine Mammal Science* 16 (4): 811–814.

Takahashi, S., Le, L.T.H., Saeki, H., Nakatani, N., Tanabe, S., Miyazaki, N. and Fujise, Y. 2000. Accumulation of butyltin compounds and total tin in marine mammals. *Water Science and Technology* 42 (7–8): 97–108.

2001 (2)

Abe, H., Goto, M., Pastene, L.A., Dewa, K. and Naito, E. 2001. Practical use of multiplex fluorescent PCR for cetacean sex identification. *Marine Mammal Science* 17 (3): 657–664.

Yoshida, H., Yoshioka, M., Shirakihara, M. and Chow, S. 2001. Population structure of finless porpoises (*Neophocaena phocaenoides*) in coastal waters of Japan

based on mitochondrial DNA sequences. *Journal of Mammalogy* 82 (1): 123–130.

2002 (1)

Konishi, K. and Sakurai, Y. 2002. Geographical variations in infection by larval *Anisakis simplex* and *Contracaecum osculatatum* (Nematoda, Anisakidae) in walleye pollock *Theragra chalcogramma* stocks off Hokkaido, Japan. *Fish Sci* 68 (3): 534–542.

2003 (1)

Matsuoka, K., Ensor, P., Hakamada, T., Shimada, H., Nishiwaki, S., Kasamatsu, F. and Kato, H. 2003. Overview of the minke whale sighting survey in IWC/IDCR and SOWER cruises from 1978/79 to 2000/01. *J. Cetacean Res. Manage.* 5 (2): 173–201.

2004 (5)

Branch, T.A., Matsuoka, K. and Miyashita, T. 2004. Evidence for increases in Antarctic blue whales based on Bayesian modelling. *Marine Mammal Science* 20 (4): 726–754.

Escorza-Trevino, S., Pastene, L.A. and Dizon, A.E. 2004. Molecular analyses of the Truei and Dalli morphotypes of Dall's porpoise (*Phocoenoides dalli*). *Journal of Mammalogy* 85 (2): 347–355.

Ikemoto, T., Kunito, T., Watanabe, I., Yasunaga, G., Baba, N., Miyazaki, N., Petrov, E.A. and Tanabe, S. 2004. Comparison of trace element accumulation in Baikal seals (*Pusa sibirica*), Caspian seals (*Pusa caspica*) and northern fur seals (*Callorhinus ursinus*). *Environmental Pollution* 127: 83–97.

Murase, H., Matsuoka, K., Nishiwaki, S., Hakamada, T. and Mori, M. 2004. Effect of observed covariates (school size, sighting cue, latitude and sea state) on the Antarctic minke whale abundance estimation parameters in the IWC/IDCR-SOWER surveys. *J. Cetacean Res. Manage.* 6 (3): 283–292.

Yanagimoto, T. and Konishi, K. 2004. *Acanthochondria priacanthi* (Copepoda: Chondracanthidae) as a biological indicator for stock identification of sandfish *Arctoscoopus japonicus* (Steindachner). *Fish Sci* 70 (2): 336–338.

2005 (5)

Agusa, T., Matsumoto, T., Ikemoto, T., Anan, Y., Kubota, R., Yasunaga, G., Kunito, T., Tanabe, S., Ogi, H. and Shibata, Y. 2005. Body distribution of trace elements in black-tailed gulls from Rishiri Island, Japan: age-dependent accumulation and transfer to feathers and eggs. *Environ. Toxicol. Chem.* 24 (9): 2107–2120.

- Agusa, T., Kunito, T., Yasunaga, G., Iwata, H., Subramanian, A., Ismail, A. and Tanabe, S. 2005. Concentrations of trace elements in marine fish and its risk assessment in Malaysia. *Marine Pollution Bulletin* 51 (8–12): 896–911.
- Fukui, Y., Ishikawa, H. and Ohsumi, S. 2005. Difficulties in publishing research results from scientific whaling. *Marine Mammal Science* 21 (4): 781–783.
- Prudente, M., Tanabe, S., Kunisue, T., Yasunaga, G., Watanabe, I. and Miyazaki, N. 2005. Accumulation of trace elements and persistent organochlorines in resident and migratory waders from Calatagan Bay, Philippines. *Coastal Marine Science* 29 (2): 133–140.
- Sanino, G.P., Waerebeek, K.V., Van Bresseem, M. and Pastene, L.A. 2005. A preliminary note on population structure in eastern South Pacific common bottlenose dolphins, *Tursiops truncatus*. *J. Cetacean Res. Manage.* 7 (1): 65–70.
- 2006 (6)**
- Acevedo, J., Aguayo-Lobo, A. and Pastene, L.A. 2006. Filopatria de la ballena jorobada (*Megaptera novaeangliae* Borowski, 1781), al area de alimentacion del Estrecho de Magallanes. *Revista de Biología Marina y Oceanografía* 41 (1): 11–19.
- Acevedo, J., Aguayo-Lobo, A., Acuna, P. and Pastene, L.A. 2006. A note on the first record of the dwarf minke whale (*Balaenoptera acutorostrata*) in Chilean waters. *J. Cetacean Res. Manage.* 8 (3): 293–296.
- Hayashi, K., Yoshida, H., Nishida, S., Goto, M., Pastene, L.A., Kanda, N., Baba, H. and Koike, H. 2006. Genetic Variation of the MHC DQB locus in the finless porpoise (*Neophocaena phocaenoides*). *Zoological Science* 23 (2): 147–153.
- Mori, M. and Butterworth, D.S. 2006. A first step towards modelling the krill–predator dynamics of the Antarctic ecosystem. *CCAMLR Science* 13: 217–277.
- Sekiguchi, K., Olavarria, C., Morse, P., Olson, P., Ensor, P., Matsuoka, K., Pitman, R., Findlay, K. and Gorter, U. 2006. The spectacled porpoise (*Phocoena dioptrica*) in Antarctic waters. *J. Cetacean Res. Manage.* 8 (3): 265–271.
- Takahashi, Y., Ohwada, S., Watanabe, K., Ropert-Coudert, Y., Zenitani, R., Naito, Y. and Yamaguchi, T. 2006. Does elastin contribute to the persistence of corpora albicantia in the ovary of the common dolphin (*Delphinus delphis*). *Marine Mammal Science* 22 (4): 819–830.
- 2007 (2)**
- Acevedo, J., Rasmussen, K., Felix, F., Castro, C., Llano, M., Secchi, E., Saborio, M.T., Aguayo-Lobo, A., Haase, B., Scheidat, M., Dalla-Rosa, L., Olavarria, C., Fosestell, P., Acuna, P., Kaufman, G. and Pastene, L.A. 2007. Migratory destinations of humpback whales from the Magellanic Strait feeding ground, Southeast Pacific. *Marine Mammal Science* 23 (2): 453–463.
- Branch, T.A., Stafford, K.M., Palacios, D.M., Allison, C., Bannister, J.L., Burton, C.L.K., Cabrera, E., Carlson, C.A., Galletti Vernazzani, B., Gill, P.C., Hucke-Gaete, R., Jenner, K.C.S., Jenner, Mn. M., Matsuoka, K., Mikhalev, Y.A., Miyashita, T., Morrice, M.G., Nishiwaki, S., Sturrock, V.J., Tormosov, D., Anderson, R.C., Baker, A.N., Best, P.B., Borsa, P., Brownell Jr, R.L., Childerhouse, S., Findlay, K.P., Gerrodette, T., Ilangakoon, A.D., Jørgensen, M., Kahn, B., Ljungblad, D.K., Maughan, B., Mccauley, R.D., Mckay, S., Norris, T.F., Oman Whale and Dolphin Research Group, Rankin, S., Samaran, F., Thiele, D., Van Waerebeek, K. and Warneke, R.M. 2007. Past and present distribution, densities and movements of blue whales in the Southern Hemisphere and adjacent waters. *Mammal Rev.* 37 (2): 116–175.
- 2009 (1)**
- Nambu, H., Tokutake, K., Ishikawa, H., Ohta, M., Fujita, K. and Yamada, T.K. 2009. Observation of a gray whale, *Eschrichtius robustus*, in Tokyo Bay in 2005. *Japan Cetology* 19: 17–22 (in Japanese).
- 2010 (3)**
- Nambu, H., Ishikawa, H. and Yamada, T. 2010. Records of the western gray whale *Eschrichtius robustus*: its distribution and migration. *Japan Cetology* 20: 21–29 (in Japanese).
- Pastene, L.A. and Quiroz, D. 2010. An Outline of the History of Whaling in Chile. pp. 73–98. In: International Center for Folk Culture Studies (Ed). *Human Culture from the Perspective of Traditional Maritime Communities, International Symposium Report No. 1*. Kanagawa Shimbun Press, Kanagawa. 199pp.
- Taguchi, M., Ishikawa, H. and Matsuishi, T. 2010. Seasonal distribution of harbour porpoise (*Phocoena phocoena*) in Japanese waters inferred from stranding and bycatch records. *Mammal Study* 35 (2) : 133–138.
- 2011 (2)**
- Acevedo, J., Olavarría, C., Plana, J., Aguayo-Lobo, A., Larrea, A. and Pastene, L.A. 2011. Occurrence of dwarf minke whales (*Balaenoptera acutorostrata* subsp.) around the Antarctic Peninsula. *Polar Biol* 34 (2): 313–318.

Acevedo, J., Plana, J., Aguayo-Lobo, A. and Pastene, L.A. 2011. Surface feeding behavior of humpback whales in the Magellan Strait. *Revista de Biología Marina y Oceanografía*. 46 (3): 483–490.

2013 (4)

Acevedo J., Haro D., Dalla R.L., Aguayo-Lobo A., Huckle-Gaete R., Secchi E., Plana J. and Pastene L.A. 2013. Evidence of spatial structuring of eastern South Pacific humpback whale feeding grounds. *Endang Species Res* 22 (1): 33–38.

Kitamura, S., Matsuishi, T., Yamada, K., Tajima, Y., Ishikawa, H., Tanabe, S., Nakagawa, H., Uni, Y. and Abe, S. 2013. Two genetically distinct stocks in Baird's beaked whale (Cetacea: Ziphiidae). *Marine Mammal Science* 29 (4): 755–766.

Murase, H., Temoai, I., Kirata, T., Finkaso, S., Yasunaga, G. and Pastene, L.A. 2013. A note on cetaceans off Kiribati and Tuvalu from a research cruise in October 2010. *J. Cetacean Res. Manage.* 13 (2): 153–158.

Sugino, T., Yasunaga, G. and Fukuda, M. 2013. Effect of whale meat extract on fatigue induced by physical load and by daily activities in humans. *Jpn. Pharmacol. Ther* 41 (9): 879–893 (in Japanese).

2014 (3)

Pastene, L.A. 2014. Macaya Hermanos y Compania. Notas sobre las actividades de la empresa ballenera de más larga historia en Chile. Colección Mocha Dick pp 255–274.

Quiroz, D. and Pastene, L.A. 2014. Norwegian whaling in Chile in the 20th Century and its influence on Chilean local communities. pp. 61–70. In: Jan Erik Ringstad (Ed). *Whaling and History IV*. Commander Chr. Christensen's Whaling Museum, part of Vestfoldmuseene IKA, Sandefjord. 192pp.

Quintela, M., Skaug, H.J., Øien, N., Haug, T., Seliussen, B.B., Solvang, H.K., Pampoulié, C., Kanda, N., Pastene, L.A. and Glover, K.A. 2014. Investigating population genetic structure in a highly mobile marine organism: the minke whale *Balaenoptera acutorostrata acutorostrata* in the North East Atlantic. *PLoS ONE* 9 (9): e108640.

2015 (3)

Funasaka, N., Kirihata, T., Kato, H. and Ohsumi, S. 2015. The first record of a true albino common bottlenose dolphin *Tursiops truncatus* from Japan. *Mammal Study*

40 (1): 19–22.

Pastene, L.A., Acevedo, J., Siciliano, S., Sholl, T.G.C., de Moura, J.F., Ott, P.H. and Aguayo-Lobo, Anelio. 2015. Population genetic structure of the South American Bryde's whale. *Revista de Biología Marina y Oceanografía* 50 (3): 453–464.

Sakamoto, M., Itai, T., Yasutake, A., Iwasaki, T., Yasunaga, G., Fujise, Y., Nakamura, M., Murata, K., Chan, H.M., Domingog, J.L. and Marumoto, M. 2015. Mercury speciation and selenium in toothed-whale muscles. *Environmental Research* 143: 55–61.

2017 (3)

Funasaka, N., Kirihata, T., Hosono, M., Kato, K. and Ohsumi, S. 2017. Three Cases of Anomalously White Risso's Dolphins *Grampus griseus* in Japan. *Mammal Study* 42 (3): 173–178.

Hakamada, T., Matsuoka, K., Murase, H. and Kitakado, T. 2017. Estimation of the abundance of the sei whale *Balaenoptera borealis* in the central and eastern North Pacific in summer using sighting data from 2010 to 2012. *Fish Sci* 83 (6): 887–895.

Malde, K., Seliussen, B.B., Quintela, M., Dahle, G., Besnier, F., Skaug, H.J., Øien, N., Solvang, H.K., Haug, T., Skern-Mauritzen, R., Kanda, N., Pastene, L.A., Jonassen, I. and Glover, K.A. 2017. Whole genome resequencing reveals diagnostic markers for investigating global migration and hybridization between minke whale species. *BMC Genomics* 18: 76.

2019 (1)

Takahashi, M., Kato, H. and Kitakado, T. 2019. Sex prediction by machine learning methods for small sample sizes: a case study of cranial measurements of killer whales (*Orcinus orca*). *Mammalian Science* 59 (1): 67–78 (in Japanese).

2020 (2)

Kawasaki, K., Mikami, M., Goto, M., Shindo, J., Amano, M. and Ishiyama, M. 2020. The evolution of unusually small amelogenin genes in cetaceans; pseudogenization, X–Y gene conversion, and feeding strategy. *Journal of Molecular Evolution* 88 (2): 122–135.

Pastene, L.A., Acevedo, J. and Branch, T.A. 2020. Morphometric analysis of Chilean blue whales and implications for their taxonomy. *Marine Mammal Science* 36 (1): 116–135.