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- 703. Adulyanukosol, K., Amano, M. and Miyazaki, N. 1998. Preliminary study on age determination of dugong (*Dugong dugon*) in Thailand. *Phuket Mar. Biol. Ctr Tech. Pap.* 2: 1–10.
- 704. Amano, M., Yoshioka, M., Kuramochi, T. and Mori, K. 1998. Diurnal feeding by Dall's porpoise, *Phocoenoides dalli*. *Mar. Mammal Sci.* 14: 130–135.
- 705. Bates, W. R. and Nishida, H. 1998. Developmental roles of nuclear complex factors released during oocyte maturation in the ascidians *Halocynthia roretzi* and *Boltenia villosa*. *Zool. Sci.* 15: 69–76.
- 706. Chiba, S. and Nishikata, T. 1998. Genes of the ascidian: An annotated list as of 1997. *Zool. Sci.* 15: 625–643.
- 707. Chiba, S., Satou, Y., Nishikata, T. and Satoh, N. 1998. Isolation and characterization of cDNA clones for epidermis-specific and muscle-specific genes in *Ciona savignyi* embryos. *Zool. Sci.* 15: 239–246.
- 708. Endo, H., Sasaki, H., Hayashi, Y., Petrov, E. A., Amano, M. and Miyazaki, N. 1998. Functional relationship between muscles of mastication and the skull with enlarged orbit in the Baikal seal (*Phoca sibirica*). *J. Vet. Med. Sci.* 60: 699–704.
- 709. Endo, H., Sasaki, H., Hayashi, Y., Petrov, E. A., Amano, M. and Miyazaki, N. 1998. Macroscopic observations of the facial muscles in the Baikal seal (*Phoca sibirica*). *Mar. Mammal Sci.* 14: 778–788.
- 710. Fukuda, R., Ogawa, H., Nagata, T. and Koike, I. 1998. Direct determination of carbon and nitrogen contents of natural bacterial assemblages in marine environments. *Appl. Environ. Microbiol.* 64: 3352–3358.
- 711. Harino, H., Fukushima, M., Yamamoto, Y., Kawai, S. and Miyazaki, N. 1998. Contamination of butyltin and phenyltin compounds in the marine environment of Otsuchi Bay, Japan. *Environ. Poll.* 101: 209–214.
- 712. Harino, H., Fukushima, M., Yamamoto, Y., Kawai, S. and Miyazaki, N. 1998. Organotin compounds in water, sediment, and biological samples from the port of Osaka, Japan. *Arch. Environ. Contam. Toxicol.* 35: 558–564.
- 713. Hibino, T., Nishikata, T. and Nishida, H. 1998. Centrosome-attracting body: A novel structure closely related to unequal cleavages in the ascidian embryo. *Develop. Growth Differ.* 40: 85–95.
- 714. Hirose, T. and Kawaguchi, K. 1998. Sediment size composition as an important factor in the selection of spawning site by the Japanese surf smelt *Hypomesus japonicus*. *Fish. Sci.* 64: 995–996.
- 715. Hirose, T. and Kawaguchi, K. 1998. Spawning ecology of Japanese surf smelt, *Hypomesus pretiosus japonicus* (Osmeridae), in Otsuchi Bay, northeastern Japan. *Environ. Biol. Fish.* 52: 213–223.
- 716. Hotta, K., Takahashi, H. and Satoh, N. 1998. Expression of an ascidian gene in the tip of the tail of tail-bud-stage embryos. *Develop. Genes Evol.* 208: 164–167.
- 717. Inaba, K., Morisawa, S. and Morisawa, M. 1998. Proteasomes regulate the motility of salmonid fish sperm through modulation of cAMP-dependent phosphorylation of an outer arm dyrein light chain. *J. Cell Sci.* 111: 1105–1115.
- 718. Johannsson, S. H., Persson, P., Takagi, Y. and Björnsson, B. Th. 1998. Effects of calcitonin on calcium balance and bone resorption in rainbow trout, *Oncorhynchus mykiss*. In "Trends in Comparative Endocrinology and Neurobiology: From Molecular to Integrative Biology", H. Vaudry, M.-C. Tonon, E. W. Roubos and De Loof eds., Ann. N. Y. Acad. Sci. 839: 434–436.
- 719. Katsuyama, Y. and Saiga, H. 1998. Retinoic acid affects patterning along the anterior-posterior axis of the ascidian embryo. *Develop. Growth Differ.* 40: 413–422.
- 720. Kim, G. J. and Nishida, H. 1998. Monoclonal antibodies against differentiating mesenchyme cells in larvae of the ascidian *Halocynthia roretzi*. *Zool. Sci.* 15: 553–559.
- 721. Komai, T. 1998. *Alloeopagurodes spiniacicula*, a new genus and new species of hermit crab (Decapoda: Anomura: Paguridae) from Japan. *Crust. Res.* 27: 70–81.
- 722. Kumano, G. and Nishida, H. 1998. Maternal and zygotic expression of the endoderm-specific alkaline phosphatase gene in embryos of the ascidian, *Halocynthia roretzi*. *Develop. Biol.* 198: 245–252.
- 723. Matsumasa, M., Kikuchi, S. and Takeuchi, I. 1998.

- Specialized ion-transporting epithelium around the blood vessel of the coxal gills in a deep-sea amphipod, *Eurythenes gryllus*. J. Crust. Biol. 18: 686–694.
724. Michibata, H., Uyama, T. and Kanamori, K. 1998. The accumulation mechanism of vanadium by ascidians. An interdisciplinary study between biology and chemistry on extraordinary high levels and reduced form of vanadium in vanadocytes. Am. Chem. Soc. Symp. Ser. 711: 248–258.
725. 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: 31–60.
726. Nakaoka, M. 1998. Optimal resource allocation of the marine bivalve *Yoldia notabilis*: The effects of size-limited reproductive capacity and size-dependent mortality. Evol. Ecol. 12: 347–361.
727. Nakata, H., Tanabe, S., Tatsukawa, R., Koyama, Y., Miyazaki, N., Belikov, S. and Boltunov, A. 1998. Persistent organochlorine contaminants in ringed seals (*Phoca hispida*) from the Kara sea, Russian Arctic. Environ. Toxicol. Chem. 17: 1745–1755.
728. Nunomura, N. 1998. A new species of the gnathiid isopod crustacean from the sea off Sanriku, northern Japan. Bull. Toyama Sci. Mus. 21: 55–60.
729. Nunomura, N. 1998. A Species of the armadillid isopod crustacean from Iwate, northern Japan. Bull. Toyama Sci. Mus. 21: 65–68.
730. Ogasawara, M. and Satoh, N. 1998. Isolation and characterization of endostyle-specific genes in the ascidian *Ciona intestinalis*. Biol. Bull. 195: 60–69.
731. Ohizumi, H. and Miyazaki, N. 1998. Feeding rate and daily energy intake of Dall's porpoise in the northeastern Sea of Japan. Proc. NIPR Symp. Polar Biol. 11: 74–81.
732. Ohizumi, H., M. Yoshioka, K. Mori and N. Miyazaki. 1998. Stomach contents of common dolphins (*Delphinus delphis*) in the pelagic western North Pacific. Mar. Mammal Sci. 14: 835–844.
733. Ohtsuka, S., Takeuchi, I. and Tanimura, A. 1998. *Xanthocalanus gracilis* and *Tharybis magna* (Copepoda: Calanoida) rediscovered from the Antarctic Ocean with baited trap. J. Nat. Hist. 32: 785–804.
734. Oka, T., Amikura, R., Kobayashi, S., Yamamoto, H. and Nishida, H. 1998. Localization of mitochondrial large ribosomal RNA in the myoplasm of the early ascidian embryos. Develop. Growth Differ. 41: 1–8.
735. Takada, N., Tagawa, K., Takahashi, H. and Satoh, N. 1998. Characterization of an ascidian maternal T-box gene, *As-mT*. Int. J. Develop. Biol. 42: 1093–1100.
736. Takahashi, H. and Satoh, N. 1998. An ascidian gene encoding an SH2-domain protein is expressed in the notochord cells of the embryo. Develop. Growth Differ. 40: 431–438.
737. Takahashi, K. and Kawaguchi, K. 1998. Diet and feeding rhythm of the sand-burrowing mysids *Archaeomysis kokuboi* and *A. japonica* in Otsuchi Bay, northeastern Japan. Mar. Ecol. Prog. Ser. 162: 191–199.
738. Takashima, Y. and Mawatari, S. F. 1998. *Mitinokuidrilus excavatus* n.g., n. sp., a marine tubificid (Oligochaeta) with a unique mode of reproduction. Zool. Sci., 15: 593–597.
739. Takeuchi, I. 1998. Dry weight, carbon and nitrogen components of the caprellid amphipods (Crustacea) inhabiting the *Sargassum yezoense* community of Otsuchi Bay, northeastern Japan. Mar. Biol. 130: 417–423.
740. Takeuchi, I. and Sawamoto, S. 1998. Distribution of caprellid amphipods (Crustacea) in the western North Pacific based on the CSK International Zooplankton Collection. Plankton Biol. Ecol. 45: 225–230.
741. Takeuchi, I. and Watanabe, K. 1998. Respiration rate and swimming speed of the necrophagous amphipod *Eurythenes gryllus* from Antarctic deep waters. Mar. Ecol. Prog. Ser. 163: 285–288.
742. Tanabe, S., Prudente, M., Mizuno, T., Hasegawa, J., Iwata, H. and Miyazaki, N. 1998. Butyltin contamination in marine mammals from North Pacific and Asian coastal waters. Environ. Sci. Technol. 32: 193–198.
743. Tanaka, H., Takagi, Y., Iwata, M. and Naito, Y. 1998. The behavior and ambient temperature of homing chum salmon monitored by a data logger. Proc. NIPR Symp. Polar Biol. 11: 62–73.
744. Ueki, T., Uyama, T., Kanamori, K. and Michibata, H. 1998. Isolation of cDNAs encoding subunits A and B of the vacuolar-type ATPase from the vanadium-rich ascidian, *Ascidia sydneiensis samea*. Zool. Sci. 15: 823–829.
745. Uyama, T., Kinoshita, T., Takahashi, H., Satoh, N., Kanamori, K. and Michibata, H. 1998. 6-phosphogluconate dehydrogenase is a 45 kDa-antigen recognized by S4D5 a monoclonal antibody specific to vanadocytes in the vanadium-rich ascidian, *Ascidia sydneiensis samea*. J. Biochem. 124: 377–382.
746. Uyama, T., Ueki, T., Suhama, Y., Kanamori, K. and Michibata, H. 1998. A 100-kDa antigen recognized by a newly prepared monoclonal antibody specific to the vanadocytes of the vanadium-rich ascidian, *Ascidia sydneiensis samea*, is glycogen phosphorylase. Zool. Sci. 15: 815–821.
747. Uyama, T., Yamamoto, K., Kanamori, K. and Michibata, H. 1998. Glucose-6-phosphate dehydrogenase in the pentose phosphate pathway is localized in vanadocytes of vanadium-rich ascidian, *Ascidia sydneiensis samea*. Zool. Sci. 15: 441–446.
748. Wada, M. R., Ohtani, Y., Shibata, Y., Tanaka, K. J., Tanimoto, N. and Nishikata, T. 1998. An alternatively spliced gene encoding a Y-box protein showing maternal expression and tissue-specific zygotic expression in the ascidian embryo. Develop. Growth Differ. 40: 631–640.
749. Watanabe, I., Tanabe, S., Amano, M., Miyazaki, N., Petrov, E. A. and Tatsukawa, R. 1998. Age-dependent accumulation of heavy metals in Baikal seal (*Phoca sibirica*) from the Lake Baikal. Arch. Environ.

- Contamin. Toxicol. 35: 518–526.
750. Yamasaki, A., Fukuda, H., Fukuda, R., Miyajima, T., Nagata, T., Ogawa, H. and Koike, I. 1998. Submicronmeter particles in northwest Pacific coastal environments: Abundance, size distribution, and biological origins. Limnol. Oceanogr. 43: 536–542.
751. Zaslavskaya, N. I. and Takada, Y. 1998. Allozyme variation and behavioural dimorphism among populations of *Littorina brevicula* (Philippi) from Japan. Hydrobiologia 378: 53–57.
752. 天野雅男. 1998. 黒潮・親潮移行域における小型ハクジラ類の分布と回遊. 月刊海洋号外 13: 187–191.
753. 洪 性完・岡本峰雄・今井健彦・不破 茂. 1998. 大型沈下式人工プラン特周辺の魚類映像. 日本水産学会誌 64: 966–974.
754. 柚原 宏. 1998. 間隙生紐虫–砂のすき間に住むヒモムシ. うみうし通信 19: 10–11.
755. 宮崎信之. 1998. 地球規模で広がる海洋汚染–海棲哺乳類からのメッセージ–「海洋環境破壊が深刻化」. pp. 27–44. 東京教育情報センター.
756. 松政正俊. 1998. 小型甲殻類の群集構造を決める要因は何か. 生物科学 50: 30–36.
757. 道端 齊. 1998. 重金属の濃縮機構. 「ホヤの生物学」(佐藤矩行編). pp. 135–152. 東京大学出版会.
758. 乙部弘隆・大槻眞理子・盛田孝一・黒沢正隆・岩間祐吉. 1998. 海象・気象観測結果(1997版). 東京大学海洋研究所大槌臨海研究センター報告 23: 102–118.
759. 佐藤矩行・西田宏記. 1998. 初期発生と形態形成. 「ホヤの生物学」(佐藤矩行編) pp. 52–75. 東京大学出版会.
760. 高橋弘樹・佐藤矩行. 1998. 脊索細胞分化を規定する *Brachury* 遺伝子. 蛋白質核酸酵素 43: 1347–1354.
761. 竹内一郎. 1998. 大槌湾のガラモ場生態系の特性. 「三陸地域研究交流促進事業報告書」 pp. 47–50. 財團法人三陸地域総合研究センター.