

Literature Exchange from Japan Aquaculture Panel

April 2006–March 2007

- Abe, S., Kiso, K., Katano, O., Yamamoto, S., Nagumo, T., Tanaka, J. Impacts of differential consumption by the grazing fish, *Plecoglossus altivelis*, on the benthic algal composition in the Chikuma River, Japan. *Phycological Research*, **54**, 94-98 (2006).
- Abe, S., Yodo, T., Matsubara, N., Iguchi, K. Distribution of two sympatric amphidromous grazing fish *Plecoglossus altivelis* Temmick & Schlegel and *Sicyopterus japonicus* (Tanaka) along the course of a temperate river. *Hydrobiologia*, **575**, 415-422 (2007).
- Abo, K., Yokoyama, H. Assimilative capacity of fish farm environments as determined by the benthic oxygen uptake rate: Studies using a numerical model. *Bulletin of Fisheries Research Agency*, **19**, 79-87 (2007).
- Arai, D., Takeuchi, T., Sugita, D., Hamasaki, K., Maruyama, K. Effect of n-3HUFA-chlorella supplied to rearing tank on morphogenesis of swimming crab zoeas of the *Portunus trituberculatus* (Brachyura: Portunidae) (In Japanese with English abstract). *Aquaculture Science*, **55**, 133-134 (2007).
- Arai, D., Tomoda, T., Morioka, T. Larval culture of pacific cod using net-cages in the sea with zooplankton (In Japanese with English abstract). *Aquaculture Science*, **54**, 409-410 (2006).
- Chavez, D.R., Ogata, H.Y., Garibay, E.S. Sollesta H.T., Tibubos, K.R. Arachidonic acid enrichment of rotifers and effects of dietary arachidonic acid on broodstock performance of rabbit fish *Siganus guttatus*. *JIRCAS Working Report*, **44**, 49-52 (2006).
- Chow, S., Yamada, H., Suzuki, N. Identification of mid- to final stage phyllosoma larvae of the genus *Panulirus* White, 1847 collected in the Ryukyu Archipelago. *Crustaceana*, **79**, 745-764 (2006).
- Chow, S., Suzuki, N., Imai, H., Yoshimura, T. Molecular species identification of spiny lobster phyllosoma larvae of the genus *Panulirus* from the northwestern Pacific. *Marine Biotechnology*, **8**, 260-267 (2006).
- Dijkstra, J.M., Kiryu, I., Yoshiura, Y., Kumanovics, A., Kohara, M., Hayashi, N., Ototake, M. Polymorphism of two very similar MHC class Ib loci in rainbow trout (*Oncorhynchus mykiss*). *Immunogenetics*, **58**, 152-167 (2006).
- Furuita, H., Unuma, T., Nomura, K., Tanaka, H., Okuzawa, K., Sugita, T., Yamamoto, T. Lipid and fatty acid composition of eggs producing larvae with high survival rate in the Japanese eel. *Journal of Fish Biology*, **69**, 1178-1189 (2006).
- Hamasaki, K., Kogane, T., Murakami, K., Jimbo, T., Dan, S. Mass mortality and its control in the larval rearing of brachyuran crabs: Implications for mass culture techniques of phyllosoma larvae. *Bulletin of Fisheries Research Agency*, **20**, 39-43 (2007).
- Hara, M., Sekino, M. Genetic differences between hatchery stocks and natural populations in Pacific abalone (*Haliotis discus*) estimated using microsatellite DNA markers. *Marine Biotechnology*, **9**, 74-81 (2007).
- Hasegawa, E. Comparison of the spectral sensitivity of three species of juvenile salmonids. *Journal of Fish Biology*, **68**, 1903-1908 (2006).
- Hasegawa, K. Workload analysis of wakame seaweed harvesting at Sanriku district (In Japanese). *Fisheries Engineering*, **43**, 179-184 (2006).
- Hino, K., Nakamura, O., Yoshiura, Y., Suetake, H., Suzuki, Y., Watanabe, T. TNF induces the growth of thymocytes in rainbow trout. *Developmental and Comparative Immunology*, **30**, 639-647 (2006).

- Hirakawa, K., Sakami, T., Abo, K., Takayanagi, K., Tanimura, A. Seasonal succession of plankton community structure in fish and pearl oyster farms of Gokasho Bay, Mie Prefecture, Japan (In Japanese with English abstract). *Bulletin of Fisheries Research Agency*, **17**, 37-55 (2006).
- Hirose, T., Minami, T. Spawning grounds and maturation status in adult flathead flounder *Hippoglossoides dubius* off Niigata Prefecture, Sea of Japan. *Fisheries Science*, **73**, 81-86 (2007).
- Hondo, Y., Murakami, N., Mushiake, K., Tsuzaki T. Broodstock management and egg collection from reared wild-broodstock of Japanese flounder *Paralichthys olivaceus* fed commercial extruded pellets (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **72**, 873-879 (2006).
- Hong, J., Daud, O. M. A., Yoshimatsu, T., Umino, T., Nakagawa, H. Effect of dietary docosahexaenoic acid on lipogenesis and lipolysis in black sea bream, *Acanthopagrus schlegeli*. *Acta Oceanologica Sinica*. **26**, 112-121 (2007).
- Ide, K., Takahashi, K., Sasaki, K. Omori, M. Predation by scavenging amphipods to injured hatchery-raised juvenile Japanese flounder *Paralichthys olivaceus* under laboratory conditions. *Fisheries Science*, **72**, 1209-1214 (2006).
- Izumi, S., Ouchi, S., Kuge, T., Arai, H., Mito, T., Fujii, H., Aranishi, F., Shimizu, A. PCR-RFLP genotypes associated with quinolone resistance in isolates of *Flavobacterium psychrophilum*. *Journal of Fish Diseases*, **30**, 141-147 (2007).
- Kamiyama, T., Yamauchi, H., Iwai, T. Environmental conditions and the role of plankton community as prey for oysters in oyster farming areas in Oginohama Bay (a branch of Ishinomaki Bay), Northern Japan (In Japanese). *Japanese Journal of Benthology*, **61**, 53-58 (2006).
- Katano, O., Uchida, K. Effects of partial fin clipping as a marking technique on the growth of four freshwater fish. *Aquaculture Science*, **54**, 577-578 (2006).
- Katayama, S., Isshiki, I. Variation in otolith macrostructure of Japanese flounder (*Paralichthys olivaceus*): A method to discriminate between wild and released fish. *Journal of Sea Research*, **57**, 180-186 (2007).
- Kitakado, T., Kitada, S., Obata, Y., Kishino, H. Simultaneous estimation of mixing rates and genetic drift under successive sampling of genetic markers with application to the mud crab (*Scylla paramamossain*) in Japan. *Genetics*, **173**, 2063-2072 (2006).
- Kiyomoto, M., Kikuchi, A., Unuma, T., Yokota, Y. Effects of ethynylestradiol and bisphenol A on the development of sea urchin embryos and juveniles. *Marine Biology*, **149**, 57-63 (2006).
- Kobayashi, T., Hara, M., Kobayashi, M., Sekino, M. Evaluation of growth performance of pacific abalone *Haliotis discus hannai* selected for juvenile size for 4 generations (In Japanese with English abstract). *Aquaculture Science*, **54**, 209-215 (2006).
- Kogane, T., hamasaki, K., Dan S. Improvement of larval survival rates by water agitation and medication in the seed production of snow crab *Chionoecetes opilio* (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **73**, 226-232 (2007).
- Koiso, M., Dan, S., Shima, Y., Hino, A. Accumulation of n-3 highly unsaturated fatty acid taken into rotifer to parthenogenesis eggs of the rotifer *Brachionus plicatilis* (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **73**, 284-286 (2007).
- Koiso, M., Shima, Y., Hino, A. Benefit of continuous provision of enrichment material on recovery and nutritional value of the rotifer *Brachionus plicatilis* (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 89-92 (2007).
- Konishi, K., Suzuki, N., Chow, S. A late-stage phyllosoma larva of the spiny lobster *Panulirus echinatus* Smith, 1869 (Crustacea: Palinuridae) identified by DNA analysis. *Journal of Plankton*

- Research*, **28**, 841-845 (2006).
- Kurihara, A., Okumura, S., Iwamoto, A., Takeuchi, T. Feeding pacific sandeel enhances DHA level in common octopus paralarvae. *Aquaculture Science*, **54**, 413-420 (2006).
- Maeno, Y., dela Pena, L.D., Cruz-Lacierda, E.R. Susceptibility of fish species cultured in mangrove brackish area to piscine nodavirus. *Japan Agricultural Research Quarterly*, **41**, 95-99 (2007).
- Maeno, Y., Yurimoto, T., Nasu, H., Ito, S., Aishima, N., Matsuyama, T., Kamaishi, T., Oseko, N., Watanabe, Y. Virus-like particles associated with mass mortalities of the pen shell *Atrina pectinata* in Japan. *Diseases of Aquatic Organisms*, **71**, 196-173 (2006).
- Makino M (2007) Marine Protected Areas for the Snow Crab Bottom Fishery off Kyoto Prefecture, Japan, In (R. Townsend, R. Shotton, and H. Uchida eds.) *Case Studies in Fisheries Self-governance. FAO Fisheries Technical Paper*, No. 604, Rome, Italy (2007).
- Masaoka, T., Kobayashi, T. Identification of *Pinctada fucata* and *P. martensii* using Inter-Simple Sequence Repeats technique (In Japanese). *DNA Polymorphism*, **14**, 193-200 (2006).
- Masaoka, T., Kobayashi, T. Phylogeny and identification of *Pinctada* species: Introduction and application of molecular genetic approach (In Japanese with English abstract). *Fish Genetics and Breeding Science*, **36**, 1-14 (2006).
- Matsunari, M., Hamada, K., Mushiaki, K., Takeuchi, T. Effects of taurine levels in broodstock diet on reproductive performance of yellowtail *Seriola quinqueradiata*. *Fisheries Science*, **72**, 955-960 (2006).
- Matsuura, T., Siar, S.V., Salayo, N.D., Baticados, D.B. Analysis of small-scale coastal aquaculture in Malaysia. *JIRCAS Working Report*, **54**, 65-72 (2007).
- Matsuura, T. Comparative analysis of small-scale aquaculture industry in three Southeast Asian countries. *JIRCAS Working Report*, **54**, 91-98 (2007).
- Matsuura, T. Comparative analysis of support system for aquaculture in coastal fishing villages in three Southeast Asian countries *JIRCAS Working Report*, **54**, 99-103 (2007).
- Matsuura, T. Comparative analysis of pattern of fishcage culture using marine/brackish water in three Southeast Asian countries. *JIRCAS Working Report*, **54**, 53-64 (2007).
- Matsuura, T., Salayo, N.D., Siar, S.V., Baticados, D.B., Primavera, J.H. Changes in farm management and production systems: Response to shrimp culture problems in the Philippines. *JIRCAS Working Report*, **54**, 5-15 (2007).
- Matsuura, T. Changes in brackish water culture along with the decrease of *Monodon/Banana* production in Thailand. *JIRCAS Working Report*, **54**, 17-30 (2007).
- Matsuura, T., Ean, C.P., Siow, R., Alias, A.H. Changes in farm management of pond and cage culture in Peninsular Malaysia. *JIRCAS Working Report*, **54**, 31-41 (2007).
- Matsuura, T., dela Pena, L.D., Ean, C.P., Siow, R., Alias, A.H. Development of farming schemes following disease occurrences in *Monodon* shrimp farming using intensive method in three Southeast Asian countries. *JIRCAS Working Report*, **54**, 43-52 (2007).
- Matsuura, T., Siar, S.V., Salayo, N.D., Baticados, D.B. Analysis of small-scale coastal aquaculture in the Philippines. *JIRCAS Working Report*, **54**, 65-72 (2007).
- Matsuura, T. Analysis of small-scale coastal aquaculture in Thailand. *JIRCAS Working Report*, **54**, 73-81 (2007).
- Matsuyama, T., Kamaishi, T., Oseko, N. Rapid discrimination of fish pathogenic *Vibrio* and *Photobacterium* species by Oligonucleotide DNA array. *Fish Pathology*, **41**, 105-112 (2006).
- Mizukia, H., Washioa, S., Moritab, T., Itoia, S., Sugita, H. Distribution of a fish pathogen *Listonella*

- anguillarum* in the Japanese flounder *Paralichthys olivaceus* hatchery. *Aquaculture*, **261**, 26-32 (2006).
- Mochida, K., Ito, K., Harino, H., Kakuno, A., Fujii, K. Acute toxicity of pyrithione antifouling biocides and joint toxicity with copper to red sea bream (*Pagrus major*) and toy shrimp (*Heptacarpus futilirostris*). *Environmental Toxicology and Chemistry*, **25**, 3058-3064 (2006).
- Montojo, U.M., Sakamoto, S., Cayme, M.F., Gatdula, N.C., Furio, E.F., Relox, J.R., Sato, S., Fukuyo, Y., Kodama, M. Remarkable difference in accumulation of paralytic shellfish poisoning toxins among bivalve species exposed to *Pyrodinium bahamense* var. *compressum* bloom in Masinloc bay, Philippines. *Toxicon*, **48**, 85-92 (2006).
- Mori, K., Yamamoto, K., Teruya, K., Shiozawa, S., Yoseda, K., Sugaya, T., Shirakashi, S., Itoh, N., Ogawa, K. Endoparasitic dinoflagellate infection of fertilized eggs and hatched larvae observed in the seed production of coral trout *Plectropomus leopardu*. *Fish Pathology*, **42**, 49-57 (2007).
- Morita, K., Morita, S. Alternative life histories and population process of white-spotted charr (Salmonid fish) (In Japanese). *Japanese Journal of Ecology*, **57**, 13-24 (2007).
- Morita, K., Saito, T., Miyakoshi, Y., Fukuwaka, M., Nagasawa, T., Kaeriyama, M. A review of Pacific salmon hatchery programmers on Hokkaido Island, Japan. *ICES Journal of Marine Science*, **63**, 1353-1363 (2006).
- Murakami, K., Jimbo, T., Hamasaki, K. Aspects on the technology of phyllosoma rearing and metamorphosis from phyllosoma to puerulus in the Japanese spiny lobster *Panulirus japonicus* reared in the laboratory. *Bulletin of Fisheries Research Agency*, **20**, 59-67 (2007).
- Nagakura, Y., Nakano, S., Mushiake, K., Ohara, E., Okamoto, N., Ogawa, K. Differences in susceptibility to the monogenean parasite *Benedenia seriola* among *Seriola quinqueradiata*, *S. lalandi* and their hybrid (In Japanese with English abstract). *Aquaculture Science*, **54**, 335-340 (2006).
- Nakagawa, M. Effect of rearing temperature on growth and maturation of black rockfish *Sebastes schlegeli* (In Japanese with English abstract). *Aquaculture Science*, **55**, 83-89 (2007).
- Nakagawa, M., Okouchi, H., Adachi, J., Hattori, K., Yamashita, Y. Effectiveness of stock enhancement of hatchery-released black rockfish *Sebastes schlegeli* in Yamada Bay-Evaluation by a Fish Market census. *Aquaculture*, **263**, 295-302 (2007).
- Nakata, K., Yamazaki, T., Mizuta, H., Kawai, T., Ito, H., Goshima, S. Feeding traces on the kelp *Laminaria religiosa* by four species of small herbivorous gastropods (In Japanese with English abstract). *Aquaculture Science*, **54**, 217-224 (2006).
- Nakata, K., Yamazaki, T., Mizuta, H., Kawai, T., Ito, H., Goshima, S. Effect of grazing by small herbivorous gastropods on the kelp *Laminaria religiosa* at different water temperatures (In Japanese with English abstract). *Aquaculture Science*, **54**, 375-381 (2006).
- Nariu, M., Yamada, H., Hasegawa, M. Relation between the abundance of pueruli of *Panulirus japonicus* and the path of the kuroshio current in minamiizu coastal area (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 13-32 (2006).
- Obata, Y. Stock enhancement of Japanese Spanish mackerel *Scomberomorus niphonius* in the eastern Seto inland sea, Japan (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **72**, 459-462 (2006).
- Obata, Y., Imai, H., Kitakado, T., Hamasaki, K., Kitada, S. The contribution of stocked mud crabs *Scylla paramamosain* to commercial catches in Japan, estimated using a genetic stock identification

- technique. *Fisheries Research*, **80**, 113-121 (2006).
- Obata, Y., Takimoto, A., Iwamoto, A., Kitada, S. A simulation model for enhancement and management strategies of fisheries resources: A case study of Japanese Spanish mackerel *Scomberomorus niphonius* in the eastern Seto inland sea (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **73**, 43-50 (2007).
- Obata, Y., Yamazaki, H., Takemori, H., Iwamoto, A., Okumura, S., Fujimoto, H., Yamamoto, Y., Kitada, S. A comparison of survival rates until recruitment for hatchery-released Japanese Spanish mackerel *Scomberomorus niphonius* with different sizes at release (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **73**, 55-61 (2007).
- Ogata, H.Y., Ahmed, K., Garibay, E.S. Chavez, D.R., Furuita, H., Chong, V. Arachidonic acid distribution in mangrove organisms in the Philippines, Malaysia, Japan. *JIRCAS Working Report*, **44**, 45-48 (2006).
- Ogata, H.Y., Chavez, D.R., Garibay, E.S., Furuita, H., Suloma, A. Hatchery-produced milkfish *Chanos chanos* fry should be fed docosahexaenoic acid-enriched live food: a case of the difficulty in the transfer of improved aquaculture technology in the Philippines. *Japan Agricultural Research Quarterly*, **40**, 393-402 (2006).
- Okouchi, H. Stocking effectiveness assessment and marking techniques in marine stock enhancement (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **72**, 450-453 (2006).
- Okouchi, H., Machida, M., Tanaka, T., Koizumi, K., Achiha, H., Kai, M., Nakanishi, N., Nakajima, H. Shedding rates for elastomer-marking on ocellate puffer, *Takifugu rubripes*, estimated through long-term rearing experiments and correction methods (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 53-58 (2006).
- Oku, H., Koizumi, N., Okumura, T., Kobayashi, T., Umino, T. Molecular characterization of lipoprotein lipase, hepatic lipase and pancreatic lipase genes: Effect of fasting and refeeding on their gene expression in red sea bream *Pagrus major*. *Comparative Biochemistry and Physiology, Part B*, **145**, 168-178 (2006).
- Oku, H., Tokuda, M., Okumura, T., Umino, T. Effect of insulin, triiodothyronine and fat soluble vitamins on adipocyte differentiation and LPL gene expression in the stromal-vascular cells of red sea bream, *Pagrus major*. *Comparative Biochemistry and Physiology, Part B*, **144**, 326-333 (2006).
- Okumura, S., Obata, Y. Development of an artificial nursery reef for released red spotted grouper *Epinephelus akaara* juveniles and its application in fishing ports (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **72**, 463-466 (2006).
- Okumura, T. Effects of cyclic nucleotides, calcium ionophore, and phorbol ester on vitellogenin mRNA levels in incubated ovarian fragments of the kuruma prawn *Marsupenaeus japonicus*. *General and Comparative Endocrinology*, **148**, 245-251 (2006).
- Okumura, T. Effects of lipopolysaccharide on gene expression of antimicrobial peptides (penaeidins and crustin), serine proteinase and prophenoloxidase in haemocytes of the Pacific white shrimp, *Litopenaeus vannamei*. *Fish and Shellfish Immunology*, **22**, 68-76 (2007).
- Plaza, G., Honda, H., Sakaji, H., Nashida, K. Patterns of growth in the early life history of the round herring *Etrumeus teres*. *Journal of Fish Biology*, **68**, 1421-1435 (2006).
- Romo, M. M. O. V., Aritaki, M., Suzuki, S., Ikeda, M., Asahida, T., Taniguchi, N. Genetic population evaluation of two closely related flatfish species, the rare barfin flounder and spotted halibut, along the Japanese coast. *Fisheries Science*, **72**, 556-567 (2006).
- Saitoh, K., Muraoka, D. Undaria mitochondrial large subunit ribosomal DNAs (Phaeophyceae,

- Alariaceae): Structural properties and use for phylogenetic analysis. *Phycological Research*, **54**, 149-153 (2006).
- Saitoh, K., Sado, T., Mayden, R. L., Hanzawa, N., Nakamura, K., Nishida, M., Miya, M. Mitogenomic evolution and interrelationships of the Cypriniformes (Actinopterygii: Ostariophysii): The first evidence toward resolution of higher-level relationships of the world's largest freshwater fish clade based on 59 whole mitogenome sequences. *Journal of Molecular Evolution*, **63**, 826-841 (2006)
- Saito, T., Kaga, T., Seki, J., Otake, T. Otolith microstructure of chum salmon *Oncorhynchus keta*: formation of sea entry check and daily deposition of otolith increments in seawater conditions. *Fisheries Science*, **73**, 27-37 (2007).
- Sakai, T., Oseko, N. and Iida, T. Rapid and simple method for detection of *Yersinia ruckeri*, the causal agent of enteric redmouth disease (In Japanese with English abstract). *Fish Pathology*, **41**, 127-130 (2006).
- Sakai, T., Yamada, H., Shimizu, H., Yuasa, K., Kamaishi, T., Oseko, N., Iida, T. Characteristics and pathogenicity of brown pigment-producing *Vibrio anguillarum* isolated from Japanese flounder. *Fish Pathology*, **41**, 77-79 (2006).
- Satoh, J., Mori, K., Nishioka, T., Hattori, K., Oka, M., Watanabe, K. Disinfection method for fertilized eggs of kuruma prawn *Penaeus japonicus* using povidone-iodine (In Japanese with English abstract). *Fish Pathology*, **41**, 117-120 (2006).
- Satoh, J., Saitoh, T., Watanabe, K. Evaluation of Povidone-iodine treatment for disinfection and normal hatching rate on fertilized eggs of longtooth grouper, *Epinephelus bruneus* (In Japanese with English abstract). *Aquaculture Science*, **54**, 265-268 (2006).
- Satomi, M., Vogel, B.F., Venkateswaran, K., Gram, L. Description of *Shewanella glacialis* sp. nov. and *Shewanella algidipiscicola* sp. nov., isolated from marine fish of the Danish Baltic Sea, and proposal that *Shewanella affinis* is a later heterotypic synonym of *Shewanella colwelliana*. *International Journal of Systematic and Evolutionary Microbiology*, **57**, 347-352 (2007).
- Sawaguchi, S., Ohkubo, N., Aritaki, M., Ohta, K., Matsubara, T. Process of final oocyte maturation and ovulation cycle in captive spotted halibut, *Verasper variegates* (In Japanese with English abstract). *Aquaculture Science*, **54**, 465-472 (2006).
- Sawaguchi, S., Ohkubo, N., Matsubara, T. Identification of two forms of vitellogenin-derived phosvitin and elucidation of their fate and roles during oocyte maturation in barfin flounder, *Verasper moseri*. *Zoological Science*, **23**, 1021-1029 (2006).
- Sekino, M., Kobayashi, T., Hara, M. Segregation and linkage analysis of 75 novel microsatellite DNA markers in pair crosses of Japanese abalone (*Haliotis discus hannai*) using the 5'-tailed primer method. *Marine Biotechnology*, **8**, 453-466 (2006).
- Sekino, M., Hara, M. Linkage maps for the Pacific abalone (genus *Haliotis*) based on microsatellite DNA markers. *Genetics*, **175**, 945-958 (2007).
- Shimizu, A., Uchida, K., Udagawa, M., Inoue, A., Sato, T., Katsura, K. Multiple spawning and related variations in female reproductive parameters of amphidromous type ayu. *Fisheries Science*, **73**, 1-18 (2007).
- Shimizu, D., Sakiyama, K., Adachi, J. Animal assemblage on artificial seaweeds in a simulated fish-release test conducted in a pond-revamped saltpan (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 107-116 (2007).
- Simizu, D., Sakiyama, K., Takahashi, Y. Predation of stocked hatchery-reared juveniles of ocellate puffer *Takifugu rubripes* in salt pond mesocosm (In Japanese with English abstract). *Nippon Suisan*

- Gakkaishi*, **72**, 886-893 (2006).
- Shimizu, T., Asami, K., Yamamoto, K., Dan, S., Yoseda, K. Successful spontaneous nesting of the hawksbill turtle (*Eretmochelys imbricata*) at Yaeyama Station of National Center for Stock Enhancement (NCSE) in Japan. *Proceedings of the international symposium on SEASTER2000*, 69-74 (2007).
- Shimoda, T., Suryati, E., Ahmad, T. Evaluation in a shrimp aquaculture system using mangroves, oysters, and seaweed as biofilters based on the concentrations of nutrients and chlorophyll *a*. *Japan Agricultural Research Quarterly*, **40**, 189-193 (2006).
- Suloma, A., Ogata, H.Y. Future of rice-fish culture, desert aquaculture and feed development in Africa: the case of Egypt as the leading country in Africa. *Japan Agricultural Research Quarterly*, **40**, 351 – 360 (2006).
- Suzuki, T., Jin, T., Mitsuya, T., Shiota, Y., Okumura, Y., Kamiyama, T. Lipophilic toxin profiles of scallops, *Patinopecten yessoensis*, and mussels, *Mytilus galloprovincialis* and *Mytilus coruscus*, collected in various production areas in Japan. *Molluscan Shellfish Safety*, 175-183 (2006).
- Takeuchi, T., Murakami, K. Crustacean nutrition and larval feed, with emphasis on Japanese spiny lobster, *Panulirus japonicus*. *Bulletin of Fisheries Research Agency*, **20**, 15-23 (2007).
- Tamaki, Y. Direct payment system to promote the appropriate management of aquaculture grounds. *Bulletin of Fisheries Research Agency*, **19**, 131-141 (2007).
- Tanaka, T., Nakanishi, M., Achiha, H., Machida, M., Okouchi, H. Application of the elastomer-marking system to the survey of stocking effectiveness of ocellate puffer (*Takifugu rubripes*). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 43-51 (2006).
- Tomoda, T., Hotta, K., Morioka, T. Growth, spawning and migration of hatchery-reared Japanese sandfish *Arctoscopus japonicus* released in Nanao bay and Toyama bay (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **72**, 1039-1045 (2006).
- Tomoda, T., Koiso, M., Chen, J. N., Takeuchi, T. Larval development and occurrence of morphological abnormalities in hatchery-reared Japanese flounder *Paralichthys olivaceus* larvae marine rotifer *Brachionus plicatilis* at different population growth stages (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **72**, 725-733 (2006).
- Uji, S., Suzuki, T., Kurokawa, T. Molecular cloning and expression of retinoic-acid synthesizing enzyme raldh2 from *Takifugu rubripes*. *Comparative Biochemistry and Physiology D-Genomics & Proteomics*, **1**, 133-138 (2006).
- Wang, H.Y., Quan, J.X., Kotake-Nara, E., Uhide, T., Andoh, T. Saida, K. cDNA Cloning and Sequence Analysis of Preproendothelin-1 (PPET-1) from Salmon, *Oncorhynchus kets*. *Experimental Biology and Medicine*, **231**, 709-712 (2006).
- Watanabe, K., Koiso M. Disinfection of parthenogenetic eggs of the rotifer *Brachionus plicatilis* using commercial medicine (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 67-71 (2006).
- Watanabe, K., Nishioka, T., Imaizumi, H., Sakiyama, K., Tamada, T., Ohta, K., Suzuki, S., Hotta, K., Iida T. Residue of oxytetracycline hydrochloride and alkyl trimethyl ammonium calcium oxytetracycline in the muscle and mid-gut of perciforms or pleuronectiformes fish species and kuruma prawn (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 97-106 (2007).
- Yada, T., Kaiya, H., Mutoh, K., Azuma, T., Hyodo, S., Kangawa, K. Ghrelin stimulates phagocytosis

- and superoxide production in fish leukocytes. *Journal of Endocrinology*, **189**, 57-65 (2006).
- Yada, T., Muto, K., Azuma, T., Fukamachi, S., Kaneko, T., Hirano, T. Effects of acid water exposure on plasma cortisol, ion balance, and immune functions in the "cobalt" variant of rainbow trout. *Zoological Science*, **23**, 707-713 (2006).
- Yamada, H., Hasegawa, M., Nariu, M. The relation of recruited larvae of Japanese spiny lobster *Panulirus japonicus* to by-catch in the southern Izu coastal area (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 33-41 (2006).
- Yamamoto, T., Goto, T., Tanaka, N., Furuita, H., Sugita, T., Suzuki, N. Supplemental effects of essential amino acids and bile salts to a high-fat diet containing soybean meal, corn gluten meal and squid meal for rainbow trout *Oncorhynchus mykiss*. *Aquaculture Science*, **55**, 115-123 (2007).
- Yamamoto, T., Shima, T., Furuita, H., Sugita, T., Suzuki, N. Effects of feeding time, water temperature, feeding frequency and dietary composition on apparent nutrient digestibility in rainbow trout *Oncorhynchus mykiss* and common carp *Cyprinus carpio*. *Fisheries Science*, **73**, 161-170 (2007).
- Yamamoto, T., Suzuki, N., Furuita, H., Tsuyoshi Sugita, T., Tanaka, N., Goto, T. Supplemental effect of bile salts to a soybean meal-based diet on the growth and feed utilization of rainbow trout *Oncorhynchus mykiss*. *Fisheries Science*, **73**, 123-131 (2007).
- Yamazaki, H., Fujimoto, H. Sex ratio and the maturation status of 1 year old hatchery-reared Japanese spanish mackerel *Scomberomorus niphonius* which recurred in a stocking area (In Japanese). *Technical Reports of Japanese Sea Ranching Programs (Saibai Gyogyo Gijyutsu Kaihatu Kenkyu)*, **34**, 7-12 (2006).
- Yamazaki, H., Takemori, H., Iwamoto, A., Okumura, S., Fujimoto, H., Yamamoto, Y., Obata, Y., Kusaka, K., Kitada, S. Stocking effectiveness of Japanese Spanish mackerel *Scomberomorus niphonius* in the eastern Seto inland sea (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **73**, 210-219, (2007).
- Yokota, T., Mitamura, H., Arai, N., Musuda, R., Mitsunaga, Y., Itani, M., Takeuchi, H., Tsuzaki, T. Comparison of behavioral characteristics of hatchery-reared and wild red tilefish *Branchiostegus japonicus* released in Maizuru Bay by using acoustic biotelemetry. *Fisheries Science*, **72**, 520-529 (2006).
- Yokoyama, H., Abo, K., Ishihi, Y. Quantifying aquaculture-derived organic matter in the sediment in and around a coastal fish farm using stable carbon and nitrogen isotope ratios. *Aquaculture*, **254**, 411-425, (2006).
- Yokoyama, H., Inoue, M., Abo, K. Macrobenthos, current velocity and topographic factors as indicators to assess the assimilative capacity of fish farms: Proposal of two indices. *Bulletin of Fisheries Research Agency*, **19**, 89-96 (2007).
- Yokoyama, H., Ishihi, Y. Variations in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ among different tissues of three estuarine bivalves: implications for dietary reconstructions. *Plankton and Benthos Research*, **1**, 178-182 (2006).
- Yokoyama, H., Kim, J. H., Urawa, S. Differences in host selection of actinospores of two myxosporeans *Myxobolus arcticus* and *Thelohanellus hovorkai*. *The Journal of Parasitology*, **92**, 725-729 (2006).
- Yoseda, K., Dan, S., Sugaya, T., Yokogi, K., Tanaka, M., Tawada, S. Effects of temperature and delayed initial feeding on the growth of Malabar grouper (*Epinephelus malabaricus*) larvae. *Aquaculture*, **256**, 192-200 (2006).

- Yoseda, K., Teruya, K., Sugaya, T., Sekiya, S. Effects of delayed initial feeding on larval feeding, early survival, and growth of red spotted grouper *Epinephelus akaara* larvae (In Japanese with English abstract). *Nippon Suisan Gakkaishi*, **72**, 702-709 (2006).
- Yoshiura, Y., Kamaishi, T., Nakayasu, C., Ototake, M. Detection and Genotyping of *Flavobacterium psychrophilum* by PCR targeted to Peptidyl-prolyl cis-trans isomerase C Gene. *Fish Pathology*, **41**, 67-71 (2006).
- Yuasa, K., Kamaishi, T., Mori, K., Hutapea, J. H., Permana, G. N., Nakazawa, A. Infection by a protozoan endoparasite of the genus *Ichthyodinium* in embryos and yolk-sac larvae of yellowfin tuna *Thunnus albacares*. *Fish Pathology*, **42**, 59-66 (2007).
- Zhanga, D.M., Yoshimatsu, T., Furuse, M. The presence of endogenous L-carnitine in live foods used for larviculture. *Aquaculture*, **255**, 272-278 (2006).