

2008

Physical Oceanography	68
Chemical Oceanography	68
Ocean Floor Geoscience	69
Marine Ecosystem Dynamics	71
Marine Bioscience	72
Living Marine Resources	75
Multiple Field Marine Science	76
HADEEP	77

## 研究業績 | PUBLICATION LIST 2008

## Physical Oceanography

- Chuda T., Niino H., Yoneyama K., Katsumata M. and Tsukamoto O.: A statistical analysis of surface heat flux enhancements due to precipitating clouds observed in the tropical Western Pacific. *Journal of the Meteorological Society of Japan*, **86**, 439-457, 2008.
- Ishizu M., Kitade Y. and Michida Y.: Microstructure in the northeast coast of Hokkaido in summer. *Proceedings of the 23rd International Symposium on Okhotsk Sea & sea ice*, **23**, 61-64, 2008.
- Kawabe M.: Vertical and horizontal eddy diffusivities and oxygen dissipation rate in the subtropical Northwest Pacific. *Deep-Sea Research Part I*, **55**, 247-260, 2008.
- Kawabe M., Kashino Y. and Kuroda Y.: Variability and linkages of New Guinea Coastal Undercurrent and Lower Equatorial Intermediate Current. *Journal of Physical Oceanography*, **38**, 1780-1793, 2008.
- Michida Y., Odamaki M., Yashima K. and Kato S.: Mechanism of ocean currents. A Small Cyclopedia on the Ocean, Kodansha Blue Backs, B1593, Tokyo, pp. 11-86, 2008. (道田 豊・小田巻実・八島邦夫・加藤 茂: 海流の秘密. 「海のなんでも小事典」, 講談社ブルーバックス, 東京, pp. 11-86, 2008.)
- Nakajima M. and Michida Y.: Observational estimation of depth dependence of horizontal eddy diffusivity in coastal waters. *Proceedings of the 23rd International Symposium on Okhotsk Sea & sea ice*, **23**, 23-26, 2008.
- Niino H.: The mechanism of tornadogenesis. *Journal of Wind Engineering*, **33**, 91-94, 2008. (新野 宏: 竜巻の発生メカニズム. 日本風工学会誌, **33**, 91-94, 2008.)
- Ogura Y., Kumabe R. and Nishimura S.: How to understand and enjoy weather phenomena, No.14, Scenario for the record-breaking torrential rain in Aomori on 11-12 November 2007. *Tenki*, **55**, 621-627, 2008. (小倉義光・隈部良司・西村修司: お天気の見方・楽しみ方(14) 晩秋の青森を襲った記録的な豪雨のシナリオ-2007年11月11-12日. 天気, **55**, 621-627, 2008.)
- Ogura Y., Kumabe R. and Nishimura S.: How to understand and enjoy weather phenomena, No.15, Weather watching of "the first strong southerly wind" that flung up a cloud of dust. *Tenki*, **55**, 921-927, 2008. (小倉義光・隈部良司・西村修司: お天気の見方・楽しみ方(15) 砂ほこりを巻き上げた春一番のウェザー・ウォッチング-2008年2月23日. 天気, **55**, 921-927, 2008.)
- Tanaka K.: Dynamics of density current descending a continental slope. Reports of RIAM (Research Institute for Applied Mechanics, Kyushu University) Symposium No.19ME-S6, 8-76, 2008. (田中 潔: 海洋中において大陸棚斜面を沈降する密度流の力学. 九州大学応用力学研究所研究集会報告, 19ME-S6, 8-76, 2008.)
- Tanaka K., Michida Y. and Komatsu T.: Numerical experiments on wind-driven circulations and associated transport processes in Suruga Bay. *Journal of Oceanography*, **64**, 93-102, 2008.
- Tanaka R., Niino H., Nakanishi M. and Itoh J.: Large eddy simulation of dust devils. *Meteorological Research Note*, **219**, 117-139, 2008. (田中 亮・新野 宏・中西幹郎・伊藤純至: 塵旋風のラージ・エディシミュレーション. 気象研究ノート, **219**, 117-139, 2008.)
- Young C.R., Fujio S. and Vrijenhoek R.C.: Directional dispersal between mid-ocean ridges: deep-ocean circulation and gene flow in *Ridgeia piscesae*. *Molecular Ecology*, **17**, 1718-1731, 2008.

## Chemical Oceanography

- Brewer P.G. and Nakayama N.: What Lies Beneath: A Plea for Complete Information. *Environmental Science & Technology*, **42**, 1394-1399, 2008.
- Doi T., Takano M., Okamura K., Ura T., and Gamo T.: In-situ survey of nanomolar manganese in seawater around a volcanic crater at Teishi Knoll using an autonomous underwater vehicle. *Journal of Oceanography*, **64**, 471-477, 2008.
- Duce R.A., LaRoche J., Altieri K., Arrigo K.R., Baker A.R., Capone D.G., Cornell S., Dentener F., Galloway J.N., Ganeshram R.S., Geider R.J., Jickells T., Kuypers M.M., Langlois R., Liss P.S., Liu S.M., Middelburg J.J., Moore C.M., Nickovic S., Oschlies A., Pedersen T.F., Prospero J.M., Schlitzer R., Seitzinger S.P., Sorensen L.L., Uematsu M., Ulloa O., Voss M., Ward B. and Zamora L.: Impacts of atmospheric anthropogenic nitrogen on the open ocean. *Science*, **320**, 893-897, doi: 10.1126/science.1150369, 2008.
- Kashiyama Y., Miyashita H., Ohkubo S., Ogawa N.O., Chikaraishi Y., Takano Y., Suga H., Toyofuku T., Nomaki H., Kitazato H., Nagata T. and Ohkouchi N.: Evidence of global chlorophyll d. *Science*, **321**, 658, 2008.
- Kawagucci S., Okamura K., Kiyota K., Tsunogai U., Sano Y., Tamaki K. and Gamo T.: Methane, manganese, and helium-3 in newly discovered hydrothermal plumes over the Central Indian Ridge, 18-20°S. *Geochemistry, Geophysics, Geosystems*, **9**, Q10002, doi:10.1029/2008GC002082, 2008.
- Kinoshita N., Hashimoto T., Nakanishi T., Yokoyama A., Amakawa H., Mitsugashira T., Ohtsuki T., Takahashi N., Ahmad I., Greene J.P., Henderson D.J., Jiang C.L., Notani M., Pardo R.C., Patel N., Rehm K.E., Scott R., Vondrasek R., Jisonna L., Collon P., Robertson D., Schmitt C., Tang X.D., Kashiv Y., Nassar H. and Paul M.: Ultra-sensitive detection of p-process nuclide <sup>146</sup>Sm produced by ( $\gamma, n$ ), ( $p, pn$ ) and ( $n, 2n$ ) reactions. *Journal of Physics-G: Nuclear and Particle Physics Sciences*, **35**, 014033. doi:10.1088/0954-3899/35/1/014033, 2008.
- Kumagai H., Nakamura K., Toki T., Morishita T., Okino K., Ishibashi J., Tsunogai U., Kawagucci S., Gamo T., Shibuya T., Sawaguchi T., Neo N., Joshima M., Sato T. and Takai K.: Geological background of the Kairei and Edmond hydrothermal fields along the Central Indian Ridge: Implications of their vent fluids' distinct chemistry. *Geofluids*, **8**, 239-251, 2008.
- Miki T., Nakazawa T., Yokokawa T. and Nagata T.: Functional consequences of viral impacts on bacterial communities: a food-web model analysis. *Freshwater Biology*, **53**, 1142-1153, 2008.
- Miki T., Yokokawa T., Nagata T., and Yamamura N.: Immigration of prokaryotes to local environments enhances remineralization efficiency of sinking particles: a metacommunity model. *Marine Ecology Progress Series*, **366**, 1-14, 2008.
- Nagata T.: Organic matter-bacteria interactions in seawater. In: *Microbial Ecology of the Oceans, Second Edition*, Kirchner D.L. (eds.), John Wiley & Sons, Hoboken, NJ, pp.207-241, 2008.
- Nakayama N., Yamanaka Y. and Gamo T.: O<sub>2</sub> consumption rate and its isotopic fractionation factor in the deep water of the Philippine Sea. *Journal of Oceanography*, **64**, 451-457, 2008.
- Obata H., Shitashima K., Isshiki K. and Nakayama E.: Iron, manganese and aluminum in upper waters of the western South Pacific Ocean and its adjacent seas. *Journal of Oceanography*, **64**, 233-245, 2008.
- Ogawa H.: Marine Pollution/Global Environment. In: *Encyclopedia of Environment*, The Japan Scientists Association (eds.), Junposha, Tokyo, 1240pp., 2008. (小川浩史: 地球環境-海洋汚染. 「環境事典」, 日本科学者会議(編), 旬報社, 東京, 1240pp., 2008)

- Sano Y. and Nakajima J.: Geographical distribution of  $^3\text{He}/^4\text{He}$  ratios and seismic tomography in Japan. *Geochemical Journal*, **42**, 51-60, 2008.
- Sano Y., Shirai K., Takahata N., Amakawa H. and Otake T.: Ion microprobe Sr isotope analysis of carbonates with about five micrometer spatial resolution: an example from an ayu otolith. *Applied Geochemistry*, **23**, 2406-2413, 2008.
- Sano Y., Tokutake T. and Takahata N.: Accurate measurement of atmospheric helium isotopes. *Analytical Sciences*, **24**, 521-525, 2008.
- Shirai K., Kawashima T., Sowa K., Watanabe T., Nakamori T., Takahata N., Amakawa H. and Sano Y.: Minor and trace element incorporation into branching coral *Acropora nobilis* skeleton. *Geochimica et Cosmochimica Acta*, **72**, 5386-5400, 2008.
- Shirai K., Takahata N., Yamamoto H., Omata T., Sasaki T. and Sano Y.: Novel analytical approach to bivalve shell biogeochemistry: a case study of hydrothermal mussel shell. *Geochemical Journal*, **42**, 413-420, 2008.
- Sugimoto R., Kasai A., Miyajima T. and Fujita K.: Temporal variation in natural isotopic composition of nitrate during the development of hypoxia in a coastal marine environment. *Journal of Oceanography*, **64**, 39-48, 2008.
- Takahata N., Sano Y., Horiguchi K., Shirai K. and Gamo T.: Helium isotopes of seawater in the Japan Sea. *Journal of Oceanography*, **64**, 293-301, 2008.
- Takahata N., Tsutsumi Y. and Sano Y.: Ion microprobe U-Pb dating of zircon with a 15 micrometer spatial resolution using NanoSIMS. *Gondwana Research*, **14**, 587-596, 2008.
- Takai K., Nunoura T., Ishibashi J., Lupton J.E., Suzuki R., Hamasaki H., Ueno Y., Kawagucci S., Gamo T., Suzuki Y., Hirayama H. and Horikoshi K.: Variability in the microbial communities and hydrothermal fluid chemistry at the newly-discovered Mariner hydrothermal field, southern Lau Basin. *Journal of Geophysical Research*, **113**, G02031, doi:10.1029/2007JG000636, 2008.
- Tanaka Y., Miyajima T., Koike I., Hayashibara T. and Ogawa H.: Production of dissolved and particulate organic matter by the reef-building corals *Porites cylindrica* and *Acropora pulchra*. *Bulletin of Marine Science*, **82**, 237-245, 2008.
- Tanaka Y., Miyajima T., Yamada K., Hori M., Hasegawa N., Umezawa Y. and Koike I.: Specific growth rate as a determinant of carbon isotopic composition of a temperate seagrass *Zostera marina*. *Aquatic Botany*, **89**, 331-336, 2008.
- Tanimoto H., Matsumoto K. and Uematsu M.: Ozone-CO correlations in Siberian Wildfire Plumes observed at Rishiri Island. *SOLA*, **4**, 065-068, doi:10.2151/sola.2008-017, 2008.
- Toki T., Tsunogai U., Ishibashi J., Utsumi M. and Gamo T.: Methane enrichment in low-temperature hydrothermal fluids from the Suiyo Seamount in the Izu-Bonin Arc of the western Pacific Ocean. *Journal of Geophysical Research*, **113**, B08S13, doi:10.1029/2007JB005476, 2008.
- Uchida A., Nishizawa M., Shirai K., Iijima H., Kayanne H., Takahata N. and Sano Y.: High sensitivity measurements of nitrogen isotopic ratios in coral skeletons from Palau, western Pacific: Temporal resolution and seasonal variation of nitrogen sources. *Geochemical Journal*, **42**, 255-262, 2008.
- Umezawa Y., Hosono T., Onodera S., Siringan F., Buapeng S., Delinon R., Yoshimizu C., Tayasu I., Nagata T. and Taniguchi M.: Sources of nitrate and ammonium contamination in groundwater under developing Asian megacities. *Science of the Total Environment*, **404**, 361-376, 2008.
- Umezawa Y., Miyajima T. and Koike I.: Stable nitrogen isotope composition in sedimentary organic matter as a potential proxy of nitrogen sources for primary producers at a fringing coral reef. *Journal of Oceanography*, **64**, 899-909, 2008.
- Yamashita N., Taniyasu S., Petrick G., Wei S., Gamo T., Lam P.K.S. and Kannan K.: Perfluorinated acids as novel chemical tracers of global circulation of ocean waters. *Chemosphere*, **70**, 1247-1255, 2008.
- Zhang J., Gamo T., Dai M., Chen C.-T.A. and Sohrin Y.: Introduction to GEOTRACES in Asia-I (From Regional to International Networks: The studies of Marine Biogeochemical Cycles of Trace Elements and Isotopes). *Journal of Oceanography*, **64**, 231, 2008.
- Zhang Y., Obata H. and Gamo T.: Silver in the Tokyo Bay estuarine waters and Japanese rivers. *Journal of Oceanography*, **64**, 259-265, 2008.

## Ocean Floor Geoscience

- Ando A., Kaiho K., Kawahata H. and Kakegawa T.: Timing and magnitude of Early Aptian extreme warmth: Unraveling secular  $\delta^{18}\text{O}$  variation in indurated pelagic carbonates at Deep Sea Drilling Project Site 463, central Pacific Ocean. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **260**, 463-476, 2008.
- Ashi J.: Active structures along the Nankai Trough. In: *Geological history of Kinki district, Japan*, Yoshikawa S.(eds.), Asakura Publishing Co., Tokyo, pp. 55-57, 2008. (芦 寿一郎：南海トラフ沿いの活構造。『日本地方地質史,近畿地方』, 吉川周作(編), 朝倉書店, 東京, pp. 55-57, 2008.)
- Ashi J., Lallemand S., Masago H. and the Expedition 315 Scientists: NanTroSEIZE Stage 1A: NanTroSEIZE megasplay riser pilot. *IODP Preliminary Report*, **315**, 1-55, 2008.
- Chang Y.P., Wang W.L., Yokoyama Y., Matsuzaki H., Kawahata H. and Chen M.T.: Millennial-scale planktic foraminifer faunal variability in the East China Sea during the past 40,000 years (IMAGES MD012404 from the Okinawa Trough). *Terrestrial Atmospheric and Oceanic Sciences*, **19**, 389-401, 2008.
- Gupta P.L., Kawahata H. and Suzuki A.: Physiological function, calcification and endolithic aspartic acid of corals. *Gekkan Chikyu Special volume*, **59**, 25-29, 2008. (Lallan P. Gupta・川幡穂高・鈴木 淳：サンゴの生理作用,石灰化そして骨格内のアスパラギン酸. 月刊地球, 号外**59**, 25-29, 2008.)
- Kandilarov A., Mjelde R., Okino K. and Murai Y.: Crustal structure of the ultra-slow spreading Knipovich Ridge, North Atlantic, along a presumed amagmatic portion of oceanic crustal formation. *Marine Geophysical Researches*, **29**, 109-134, 2008.
- Kumagai H., Nakamura K., Toki T., Morishita T., Okino K., Ishibashi J., Tsunogai U., Kawagucchi S., Gamo T., Shibuya T., Sawaguchi T., Neo N., Joshima M., Sato T. and Takai K.: Geological background of the Kairei and Edmond hydrothermal fields along the Central Indian Ridge: Implications for their vent fluids' distinct chemistry. *Geofluids*, **8**, 1-13, 2008.
- Ike T., Moore G.F., Kuramoto S., Park J.-O., Kaneda Y. and Taira A.: Variations in sediment thickness and type along the northern Philippine Sea Plate at the Nankai Trough. *Island Arc*, **17**, 342-357, 2008.

- Ike T., Moore G.F., Kuramoto S., Park J.-O., Kaneda Y. and Taira A.: Tectonics and sedimentation around Kashinosaki Knoll: A subducting basement high in the eastern Nankai Trough. *Island Arc*, **17**, 358-375, 2008.
- Inoue M., Suzuki A., Nohara M., Hibino K. and Kawahata H.: Fluctuation of trace elements in the coral skeletons during cultivation experiments. *Gekkan Chikyu Special volume*, **59**, 12-17, 2008. (井上麻夕里・鈴木 淳・野原昌人・日比野浩平・川幡穂高: 飼育実験に基づくサンゴ骨格中の微量元素変動. 月刊地球, 号外**59**, 12-17, 2008.)
- Inoue M. and Tanimizu M.: Anthropogenic lead inputs to the western Pacific during the 20th century. *Science of the Total Environment*, **406**, 123-130, 2008.
- Itaki T., Minoshima K. and Kawahata H.: Radiolarian flux at an IMAGES site at the western margin of the subarctic Pacific and its seasonal relationship to the Oyashio Cold and Tsugaru Warm currents. *Marine Geology*, **255**, 131-148, 2008.
- Kawahata H.: Impact of toxic chemicals on the tropical and subtropical coastal environments by human activity. *Natural Environmental Studies for Sustainability*, 201-211, 2008.
- Kawahata H.: Global warming and energy resources problems — A subject to be solved in this century —. *Chishitsu-News*, **641**, 17-27, 2008. (川幡穂高: 地球温暖化問題とエネルギー資源問題 — 今世紀の課題 —, 地質ニュース, **641**, 17-27, 2008.)
- Kawahata H.: Global Marine Environments -Interpreting from the Biogeochemical Cycles-. University of Tokyo Press, Tokyo, 280pp., 2008. (川幡穂高: 「海洋地球環境学—生物地球化学循環から読む」. 東京大学出版会, 東京, 280pp., 2008.)
- Kawahata H., Gupta L.P., Takauchi M., Syoji R., Suzuki A. and Ono Y.: Environmental pollution by poisonous chemicals IV — Leaching of chemicals from fly ash of municipal solid waste —. *Chishitsu-News*, **650**, 15-25, 2008. (川幡穂高・Lallan P. Gupta・竹内美緒・庄司 良・鈴木 淳・小野芳朗: 危険化学物質による環境汚染, その4 都市環境問題に関係したゴミ焼却灰からの化学物質の溶脱 —. 地質ニュース, **650**, 15-25, 2008.)
- Kawahata H., Ohkouchi N. and Yamanaka T.: Interaction between biogeochemical cycle and biosphere in the Cretaceous environments. *Gekkan Chikyu*, **349**, 367-371, 2008. (川幡穂高・大河内直彦・山中寿朗: 白亜紀環境における物質循環と生物圏の相互作用. 月刊地球, **349**, 367-371, 2008.)
- Kawahata H. and Suzuki A.: An influence on biomineralization by acidification. *Gekkan Chikyu*, **348**, 309-315, 2008. (川幡穂高・鈴木 淳: 生物鉱化作用に影響を与える酸性化. 月刊地球, **348**, 309-315, 2008.)
- Kitada Y., Kawahata H., Suzuki A. and Oomori T.: Distribution of pesticides and bisphenol A in sediments collected from rivers adjacent to coral reefs. *Chemosphere*, **71**, 2082-2090, 2008.
- Kuroyanagi A., Kawahata H., Nishi N. and Honda M.C.: Seasonal to interannual changes in planktonic foraminiferal assemblages in the northwestern North Pacific: sediment trap results encompassing a warm period related to El Niño. *Palaogeography, Palaeoclimatology, Palaeoecology*, **262**, 107-127, 2008.
- Kuroyanagi A., Tsuchiya M., Kawahata H. and Kitazato H.: Paleo-environmental implications of two genotypes of the planktonic foraminifer *Globigerinoides ruber* (white). *Marine Micropaleontology*, **68**, 236-243, 2008.
- Minoshima K. and Kawahata H.: Sediment trap experiment at IMAGES site — the environmental parameters recorded by particles —. *Gekkan Chikyu*, **344**, 113-118, 2008. (養島佳代・川幡穂高: IMAGESサイトにおけるセジメントトラップ観測—粒子状物質が記録する環境—. 月刊地球, **344**, 113-118, 2008.)
- Mishima M., Kawahata H. and Suzuki A.: Reconstruction of the East China Sea paleoenvironment in the last glacial period by the marine sediment and fossil corals. *Gekkan Chikyu Special volume*, **59**, 30-33, 2008. (三島真理・川幡穂高・鈴木 淳: 海底堆積物とサンゴ化石による水期東シナ海の海洋環境復元. 月刊地球, 号外**59**, 30-33, 2008.)
- Nakanishi A., Kodaira S., Miura S., Ito A., Sato T., Park J.-O., Kido Y. and Kaneda Y.: Detailed structural image around splay fault branching in the Nankai subduction seismogenic zone: Results from a high-density ocean-bottom seismic survey. *Journal of Geophysical Research*, **113**, B03105, 2008.
- Nakashima R., Suzuki A., Watanabe T. and Kawahata H.: Ecology and environments recorded in bivalves (Hotate). *Gekkan Chikyu Special volume*, **59**, 46-52, 2008. (中島 礼・鈴木 淳・渡邊 剛・川幡穂高: ホタテガイ類の貝殻に記録された生態と環境. 月刊地球, 号外**59**, 46-52, 2008.)
- Okai T., Suzuki A., Yukino I., Inoue M., Kawahata H., Terashima S. and Imai N.: Geochemical reference materials Coral JcP-1 and Giant Clam JcT-1. *Gekkan Chikyu Special volume*, **59**, 124-126, 2008. (岡井貴司・鈴木 淳・雪野 出・井上麻夕里・川幡穂高・寺島 滋・今井 登: 化学分析用地球化学標準物質サンゴJcP-1, シャコガイJcT-1について. 月刊地球, 号外**59**, 124-126, 2008.)
- Omata T., Suzuki A., Sato T., Minoshima K., Nomaru E., Murakami A., Murayama S., Kawahata H. and Maruyama T.: Effect of photosynthetic light intensity on carbon isotope composition in the coral skeleton: Long-term culture of *Porites* spp. *Journal of Geophysical Research*, **113**, G02014, 2008.
- Park J.-O., Tsuru T., No T., Takizawa K., Sato S. and Kaneda Y.: A high-resolution 3D seismic reflection survey and prestack depth imaging in the Nankai Trough off southeast Kii Peninsula. *Geophysical Exploration (BUTSURI-TANSA)*, **61**, 231-241, 2008. (朴 進午・鶴 哲郎・野 徹雄・瀧澤 薫・佐藤 壮・金田義行: 紀伊半島南東沖南海トラフでの高分解能3次元反射法地震探査と重合前深度マイグレーション処理. 物理探査, **61**, 231-240, 2008.)
- Shirai M., Tsukamoto S. and Kondo R.: Transport-depositional processes of the present fluvial deposits estimated from OSL intensity of sand-sized grains. *Quaternary Research*, **47**, 377-389, 2008. (白井正明・塚本すみ子・近藤玲介: OSL強度より推定する現世河川堆積物中の長石粒子の露光状況と運搬—堆積過程. 第四紀研究, **47**, 377-389, 2008.)
- Suzuki A., Nakamura T., Yamasaki H., Minoshima M. and Kawahata H.: Influence of water-flow on skeletal isotopic compositions of the branching coral *Pocillopora damicornis*. *Coral Reefs*, **27**, 209-218, 2008.
- Suzuki A., Nakamura T., Yamazaki H., Morimoto N., Sakai K., Inoue M. and Kawahata H.: Coral culture experiments on skeletal oxygen and carbon isotope compositions. *Gekkan Chikyu Special volume*, **59**, 6-11, 2008. (鈴木 淳・中村 崇・山崎秀雄・森本直子・酒井一彦・井上麻夕里・川幡穂高: サンゴ骨格の酸素・炭素同位体比についての飼育実験による検討. 月刊地球, 号外**59**, 6-11, 2008.)
- Suzuki A., Yokoyama Y., Kanda H., Minoshima K., Matsuzaki H., Hamanaka N. and Kawahata H.: Identification of 1771 Meiwu Tsunami deposits using a combination of radiocarbon dating and oxygen isotope microprofiling of emerged massive *Porites* boulders. *Quaternary Geochronology*, **3**, 226-234, 2008.
- Tago Y., Suzuki A., Nakashima R., Kawahata H. and Shikazono N.: Reconstruction of growth history of an abalone shell collected off Shima Peninsula estimated from stable oxygen isotope analysis around Shima Peninsula. *Gekkan Chikyu Special volume*, **59**, 70-74, 2008. (田子裕子・鈴木 淳・中島 礼・川幡穂高・鹿園直建: 志摩半島産クアアビ殻の酸素同位体比による成長過程復元. 月刊地球, 号外**59**, 70-74, 2008.)
- Tokuyama H.: Resources for 21 century-burnable ice methane hydrate. *Kaiyo Monthly*, **40**, 65-66, 2008. (徳山英一: 21世紀の資源—燃える氷メタンハイドレート—. 月刊海洋, **40**, 65-66, 2008.)

- Tsuji T., Tokuyama T., Pisani P.C. and Moore G.: Effective stress and pore pressure in the Nankai accretionary prism off the Muroto Peninsula, southwestern Japan. *Journal of Geophysical Research*, **113**, B11401, doi:10.1029/2007JB005002, 2008.
- Tsunoda T., Kawahata H., Suzuki A., Minoshima K. and Shikazono N.: East Asian Monsoon to El Niño/Southern Oscillation: a shift in the winter climate of Ishigaki Island accompanying the 1988/1989 regime shift, based on instrumental and coral records. *Geophysical Research Letters*, **35**, L13708, 2008.
- Yoshimura T., Nakashima R., Suzuki A. and Kawahata H.: Calcification of freshwater bivalves and its application to paleoceanographical study. *Gekkan Chikyu Special volume*, **59**, 53-57, 2008. (吉村寿紘・中島 礼・鈴木 淳・川幡穂高: 淡水二枚貝の石灰化と古環境研究への応用. 月刊地球, 号外**59**, 53-57, 2008.)

## Marine Ecosystem Dynamics

- Fujikura K., Kojima S. and Hashimoto J.: Seep and hydrothermal vent communities. In: *Deep-sea life — biological observations using research submersibles*, Fujikura K., Okutani T. and Maruyama T. (eds.), Tokai University Press, Kanagawa, pp. 57-80, 2008. (藤倉克則・小島茂明・橋本 惇: 湧水生物群集・熱水噴出孔生物群集. [潜水調査船が観た深海生物—深海生物研究の現在], 藤倉克則・奥谷喬司・丸山 正(編), 東海大学出版会, 神奈川, pp. 57-80, 2008.)
- Fujikura K., Kojima S. and Hashimoto J.: Chemosynthesis-based communities Japanese submersibles visited. In: *Deep-sea life — biological observations using research submersibles*, Fujikura K., Okutani T. and Maruyama T. (eds.), Tokai University Press, Kanagawa, pp. 84-92, 2008. (藤倉克則・小島茂明・橋本 惇: 日本の潜水調査船が訪れた世界の化学合成生物群集. [潜水調査船が観た深海生物—深海生物研究の現在], 藤倉克則・奥谷喬司・丸山 正(編), 東海大学出版会, 神奈川, pp. 84-92, 2008.)
- Itoh H. and Nishida S.: Life history of the copepod *Hemicyclops spinulosus* (Poecilostomatoida, Clausidiidae) associated with crab burrows with notes on male polymorphism and precopulatory mate guarding. *Plankton and Benthos Research*, **3**, 189-201, 2008.
- Khan N.H. and Kogure K.: Phylogenetic analyses of marine *Pseudomonas aeruginosa*. *Applied and Environmental Microbiology*, **74**, 6194-6205, 2008.
- Kobari T., Steinberg D.K., Uyeda A., Tsuda A., Silver M.W. and Kitamura M.: Impacts of the ontogenetically migrating copepods to carbon flux in the western subarctic Pacific Ocean. *Deep-Sea Res. II*, **55**, 1648-1660, 2008.
- Kodama Y., Yanagimoto T., Shinohara G., Hayashi I. and Kojima S.: Deviation age of a deep-sea demersal fish *Bothrocara hollandi* between the Japan Sea and the Okhotsk Sea. *Molecular Phylogenetics and Evolution*, **49**, 682-687, 2008.
- Kojima S.: Evolution and phylogeny of vesicomid clams. In: *Deep-sea life — biological observations using research submersibles*, Fujikura K., Okutani T. and Maruyama T. (eds.), Tokai University Press, Kanagawa, pp. 143-145, 2008. (小島茂明: シロウリガイ類の進化と系統. [潜水調査船が観た深海生物—深海生物研究の現在], 藤倉克則・奥谷喬司・丸山 正(編), 東海大学出版会, 神奈川, pp. 143-145, 2008.)
- Kojima S.: Evolution and phylogeny of vestimentiferan tube worms. In: *Deep-sea life — biological observations using research submersibles*, Fujikura K., Okutani T. and Maruyama T. (eds.), Tokai University Press, Kanagawa, pp. 158-159, 2008. (小島茂明: ハオリムシ類の進化と系統. [潜水調査船が観た深海生物—深海生物研究の現在], 藤倉克則・奥谷喬司・丸山 正(編), 東海大学出版会, 神奈川, pp. 158-159, 2008.)
- Kojima S., Ozeki S., Iijima A., Okoshi K., Suzuki T., Hayashi I. and Furota T.: Genetic characteristics of three recently discovered populations of the tideland snail *Cerithidea djadjarjensis* (Martin) (Mollusca, Gastropoda) from the Pacific coast of the eastern Japan. *Plankton and Benthos Research*, **3**, 96-100, 2008.
- Kojima S. and Watanabe H.: Evolution and phylogeny of provanid snails. In: *Deep-sea life — biological observations using research submersibles*, Fujikura K., Okutani T. and Maruyama T. (eds.), Tokai University Press, Kanagawa, pp. 109, 2008. (小島茂明・渡部裕美: ハイカブリニナ類の進化と系統. [潜水調査船が観た深海生物—深海生物研究の現在], 藤倉克則・奥谷喬司・丸山 正(編), 東海大学出版会, 神奈川, pp. 109, 2008.)
- Matsuoka K., Takahashi T., Nakata H., Yamaguchi H., Iwataki M. and Nakada N.: Relation between primary production and noxious environments in the enclosed bay in the case of Omura Bay, West Kyushu, Japan. *Gekkan Chikyu*, **30**, 387-395, 2008. (松岡敷充・高橋鉄哉・中田英昭・山口仁志・岩滝光儀・中田希望: 閉鎖系海域での貧酸素水塊が基礎生産に与える影響. 月刊地球, **30**, 387-395, 2008.)
- Nakamura Y., Horinouchi M., Shibuno T., Tanaka Y., Miyajima T., Koike I., Kurokura H. and Sano M.: Evidence of ontogenic migration from mangroves to coral reefs by black tail snapper *Lutjanus fulvus*: a stable isotope approach. *Marine Ecology Progress Series*, **355**, 257-266, 2008.
- Nishikawa J., Thu N.T., Ha T.M. and Thu P.T.: Jellyfish fisheries in northern Vietnam. *Plankton and Benthos Research*, **3**, 227-234, 2008.
- Nishimura M., Shimakita T., Matsuzaki T., Tashiro Y. and Kogure K.: Automatic counting of FISH-labeled microbes by an LED illuminated detecting apparatus. *Fisheries Science*, **74**, 405-410, 2008.
- Nonomura T., Machida R.J. and Nishida S.: Stage-V copepodites of *Calanus sinicus* and *C. jashnovi* (Copepoda: Calanoida) in mesopelagic zone of Sagami Bay as identified with genetic markers, with special reference to their vertical distribution. *Progress in Oceanography*, **77**, 45-55, 2008.
- Sasakawa M., Tsunogai U., Kameyama S., Nakagawa F., Nojiri Y. and Tsuda A.: Carbon isotopic evidence for the origin of excess methane in subsurface seawater. *Journal of Geophysical Research*, **113**, doi: 10.1029/2007JC004217, 2008.
- Taniguchi A. and Hamasaki K.: Community structures of actively growing bacteria shift along a north-south transect in the western North Pacific. *Environmental Microbiology*, **10**, 1007-1017, 2008.
- Tanimura A., Kawaguchi S., Oka N., Nishikawa J., Toczko S., Takahashi K.T., Terazaki M., Odate T., Fukuchi M. and Hosie G.: Abundance and grazing impacts of krill, salps and copepods along the 140°E meridian in the Southern Ocean during summer. *Antarctic Science*, **20**, 365-379, 2008.
- Tanimura A., Oka N., Kawaguchi S., Nishikawa J., Takahashi K.T., Makabe R., Hosie G. and Odate T.: Distribution pattern of macrozooplankton along the 140 meridian in the Southern Ocean during austral summer 2002 and 2003. *Antarctic Record*, **52**, 1-8, 2008.
- Wada M., Zhang D., Nishimura M. and Kogure K.: Co-inoculation of *Capitella* sp. I with its synergistic bacteria enhances degradation of organic matter in organically enriched sediment below fish farms. *Marine Pollution Bulletin*, **57**, 86-93, 2008.
- Watanabe H., Høeg J.T., Chan B.K.K., Kado R., Kojima S. and Sari A.: First report on the existence of antennular attachment organs in late nauplii of the deep-sea barnacle *Newmaniverruca albatrossiana* (Cirripedia; Verrucomorpha) epibiotic on sea urchin spines. *Journal of Zoology*, **274**, 284-291, 2008.

- Watanabe H. and Yorisue T.: Larval dispersion in chemosynthesis-based communities. *Monthly Kaiyo*, **40**, 322-328, 2008. (渡部裕美・頼末武史: 化学合成生物群集の幼生分散. 月刊海洋, **40**, 322-328, 2008.)
- Yoshida A., Seo Y., Suzuki S., Nishino T., Kobayashi T., Hamada-Sato N., Kogure K. and Imada I.: Actinomycetal community structures in seawater and freshwater examined by DGGE analysis of 16SrRNA gene fragments. *Journal of Marine Biotechnology*, **10**, 554-563, 2008.

## Marine Bioscience

- Arai T. and Goto A.: Diverse migratory histories in a brackish water type of the ninespine stickleback, *Pungitius pungitius*. *Environmental Biology of Fishes*, **83**, 349-353, 2008.
- Arai T., Kotake A. and Ohji M.: Variation in migratory history of Japanese eels, *Anguilla japonica*, collected in the northernmost part of its distribution. *Journal of the Marine Biological Association of the United Kingdom*, **88**, 1075-1080, 2008.
- Avise J.C., translated by Nishida M., Muto F., Mabuchi K., Mukai T. and Nohara M.: *Phylogeography*, University of Tokyo Press, Tokyo, 303pp., 2008. (John C. Avise (著). 西田 睦・武藤文人 (監訳). 馬淵浩司・向井貴彦・野原正広 (訳): 「生物系統地理学種の進化を探る」, 東京大学出版会, 東京, 303pp., 2008.)
- Azuma Y., Kumazawa Y., Miya M., Mabuchi K. and Nishida M.: Mitogenomic evaluation of the historical biogeography of cichlids toward reliable dating of teleostean divergences. *BMC Evolutionary Biology*, **8**, 215, 2008.
- Chino N., Yoshinaga T., Hirai A. and Arai T.: Life history patterns of silver eels *Anguilla japonica* collected in the Sanriku Coast of Japan. *Coastal Marine Science*, **32**, 54-56, 2008.
- Dou S., Yamada Y., Okamura A., Shinoda A., Tanaka S. and Tsukamoto K.: Temperature influence on the spawning performance of artificially-matured Japanese eel, *Anguilla japonica*, in captivity. *Environmental Biology of Fishes*, **82**, 151-164, 2008.
- Fujimura K., Terai Y., Ishiguro N., Miya M., Nishida M. and Okada N.: Heterotypy in the N-terminal region of Growth/Differentiation Factor 5 (GDF5) mature protein during teleost evolution. *Molecular Biology and Evolution*, **25**, 797-800, 2008.
- Fujita S., Komiya T., Takeshima H., Watanabe K. and Nishida M.: Isolation and characterization of 15 microsatellite loci for the Japanese gudgeon *Sarcocheilichthys variegatus*. *Molecular Ecology Resources*, **8**, 1335-1337, 2008.
- Fukui S., Watanabe S. and Iida M.: Additional comments of rare fishes and the ichthyofauna on Fukui and Mochizuki's "Japanese fishes of Kishu-Kumano: a collection of artworks" (1999). *NANKISEIBUTU*, **50**, 108-113, 2008. (福井正二郎・渡邊 俊・飯田 碧: 「紀州・熊野採集」日本魚類図譜」から考察される当地域の稀種と魚類相. 南紀生物, **50**, 108-113, 2008.)
- Hashiguchi Y., Furuta Y. and Nishida M.: Evolutionary patterns and selective pressures of odorant/pheromone receptor gene families in teleost fishes. *PLoS ONE*, **3**, e4083, 2008.
- Hashimoto H., Kitamura K., Kawasaki M., Saito T., Suzuki H., Otsubo H., Ohbuchi T., Yokoyama T., Fujihara H., Takei Y. and Ueta Y.: Adrenomedullin 2/intermedin-like immunoreactivity in the hypothalamus and brainstem of rats. *Autonomic Neuroscience*, **139**, 46-54, 2008.
- Hatase H., Sudo R., Watanabe K.K., Kasugai T., Saito T., Okamoto H., Uchida I. and Tsukamoto K.: Shorter telomere length with age in the loggerhead turtle: a new hope for live sea turtle age estimation. *Genes & Genetic Systems*, **83**, 423-426, 2008.
- Hatase H. and Tsukamoto K.: Smaller longer, larger shorter: energy budget calculations explain intrapopulation variation in remigration intervals for loggerhead sea turtles (*Caretta caretta*). *Canadian Journal of Zoology*, **86**, 595-600, 2008.
- Holland L.Z., Albalat R., Azumi K., Benito-Gutiérrez E., Blow M.J., Bronner-Fraser M., Brunet F., Butts T., Candiani S., Dishaw L.J., Ferrier D.E.K., Garcia-Fernández J., Gibson-Brown J.J., Gissi C., Godzik A., Hallböök F., Hirose D., Hosomichi K., Ikuta T., Inoko H., Kasahara M., Kasamatsu J., Kawashima T., Kimura A., Kobayashi M., Kozmik Z., Kubokawa K., Laudet V., Litman G.W., McHardy A.C., Meulemans D., Nonaka M., Olinski R.P., Pancer Z., Pennacchio L.A., Pestarino M., Rast J.P., Rigoutsos I., Robinson-Rechavi M., Roch G., Saiga H., Sasakura Y., Satake M., Satou Y., Schubert M., Sherwood N., Shiina T., Takatori N., Tello J., Vopalensky P., Wada S., Xu A., Ye Y., Yoshida K., Yoshizaki F., Yu J.-K., Zhang Q., Zmasek C.M., de Jong P.-J., Osoegawa K., Putnam N.H., Rokhsar D.S., Satoh N. and Holland P.W.H.: The amphioxus genome illuminates vertebrate origins and cephalochordate biology. *Genome Research*, **18**, 1100-1111, 2008.
- Horie N., Utoh T., Mikawa N., Yamada Y., Okamura A., Tanaka S. and Tsukamoto K.: Influence of artificial fertilization methods of the hormone-treated Japanese eel *Anguilla japonica* upon the quality of eggs and larvae (Comparison between stripping-insemination and spontaneous spawning methods). *Nippon Suisan Gakkaishi*, **74**, 26-35, 2008. (堀江則行・宇藤朋子・三河直美・山田祥朗・岡村明浩・田中 悟・塚本勝巳: ウナギの人工種苗生産における採卵法が卵質に及ぼす影響(搾出媒精法と自発産卵法の比較). 日本水産学会誌, **74**, 26-35, 2008.)
- Hyodo S.: A unique body fluid regulation in cartilaginous fish: adaptation to seawater and freshwater environments. *Iden*, **62**, 47-51, 2008. (兵藤 晋: ユニークな体液調節, 海水および淡水環境への適応のしくみ. 特集:軟骨魚類の不思議. 生物の科学, 遺伝, **62**, 47-51, 2008.)
- Hyodo S., Konno N. and Uchiyama M.: Urea-based body fluid regulation 1: cartilaginous fish. *Comparative Endocrinology*, **34**, 137-145, 2008. (兵藤 晋・今野紀文・内山 実: 尿素を利用する体液調節:その比較生物学1:軟骨魚類(サメ・エイ)を中心に. 比較内分泌学, **34**, 137-145, 2008.)
- Iida M., Watanabe S., Shinoda A. and Tsukamoto K.: Recruitment of the amphidromous goby *Sicyopterus japonicus* to the estuary of the Ota River, Wakayama, Japan. *Environmental Biology of Fishes*, **83**, 331-341, 2008.
- Inoue K., Tsukuda K., Koito T., Miyazaki Y., Hosoi M., Kado R., Miyazaki N. and Toyohara H.: Possible role of a taurine transporter in the deep-sea mussel *Bathymodiolus septemierum* in adaptation to hydrothermal vents. *FEBS Letters*, **582**, 1452-1456, 2008.
- Katsu Y., Kohno S., Hyodo S., Ijiri S., Adachi S., Hara A., Guillette Jr. L.J. and Iguchi T.: Molecular cloning, characterization and evolutionary analysis of estrogen receptors from phylogenetically ancient fish. *Endocrinology*, **149**, 6300-6310, 2008.
- Kawaguchi M., Nakagawa M., Noda T., Yoshizaki N., Hiroi J., Nishida M., Iuchi I. and Yasumasu S.: Hatching enzyme of the ovoviparous black rockfish *Sebastes schlegelii* — environmental adaptation of the hatching enzyme and evolutionary aspects of formation of the pseudogene. *FEBS Journal*, **275**, 2884-2898, 2008.
- Kawahara R., Miya M., Mabuchi K., Lavoué S., Inoue J.G., Satoh T.P., Kawaguchi A. and Nishida M.: Interrelationships of the 11 gasterosteiform families (sticklebacks, pipefishes, and their relatives): a new perspective based on whole mitogenome sequences from 75 higher teleosts. *Molecular Phylogenetics and Evolution*, **46**, 224-236, 2008.
- Kawahara R., Miya M., Mabuchi K., Near T.J. and Nishida M.: Stickleback phylogenies resolved: Evidence from mitochondrial genomes and 11 nuclear genes. *Molecular Phylogenetics and Evolution*, **50**, 401-404, 2008.

- Komatsu T.: Influences of global warming on seaweed beds and drifting seaweeds. *Aquaculture*, **568**, 38-40, 2008. (小松輝久: 地球温暖化による藻場・流れ藻への影響. 養殖, **568**, 38-40, 2008.)
- Komatsu T., Matsunaga D., Mikami A., Sagawa T., Boisnier E., Tatsukawa K., Aoki M., Ajijsaka T., Uwai S., Tanaka K., Ishida K., Tanoue H. and Sugimoto T.: Abundance of drifting seaweeds in eastern East China Sea. *Journal of Applied Phycology*, **20**, 801-809, 2008.
- Kuroki M., Aoyama J., Miller M.J., Watanabe S., Shinoda A., Jellyman D.J., Feunteun E. and Tsukamoto K.: Distribution and early life-history characteristics of anguillid leptocephali in the western South Pacific. *Marine and Freshwater Research*, **59**, 1035-1047, 2008.
- Kuroki M., Kawai M., Jonsson B., Aoyama J., Miller M.J., Noakes D.L.G. and Tsukamoto K.: Inshore migration and otolith microstructure/microchemistry of anguillid glass eels recruited to Iceland. *Environmental Biology of Fishes*, **83**, 309-325, 2008.
- Kusakabe M., Cheong P.L., Nikfar R., McLennan I.S. and Koishi K.: The structure of the TGF-beta latency associated peptide region determines the ability of the proprotein convertase furin to cleave TGF-betas. *Journal of Cellular Biochemistry*, **103**, 311-320, 2008.
- Lavoué S., Miya M., Kawaguchi A., Yoshino T. and Nishida M.: The phylogenetic position of an undescribed paedomorphic clupeiform: Mitogenomic evidence. *Ichthyological Research*, **55**, 328-334, 2008.
- Lavoué S., Miya M., Poulsen J.Y., Moller P.R. and Nishida M.: Monophyly, phylogenetic position and inter-familial relationships of the Alepocephaliformes (Teleostei) based on whole mitogenome sequences. *Molecular Phylogenetics and Evolution*, **47**, 1111-1121, 2008.
- Lee T.W., Miller M.J., Hwang H.B., Wouthuyzen S. and Tsukamoto K.: Distribution and early life history of *Kaupichthys* leptocephali (family Chlopsidae) in the central Indonesian Seas. *Marine Biology*, **153**, 285-295, 2008.
- Luckenbach J.A., Kusakabe M., Swanson P. and Young G.: Unilateral ovariectomy increases egg size and reduces follicular atresia in the semelparous coho salmon, *Oncorhynchus kisutch*. *Journal of experimental zoology. Part A. Ecological genetics and physiology*, **309A**, 468-476, 2008.
- Ma T., Aoyama J., Miller M.J., Minegishi Y., Inoue J.G. and Tsukamoto K.: Genetic differentiation in the genus *Uroconger* in the Indo-Pacific region. *Aquatic Biology*, **2**, 29-35, 2008.
- Ma T., Kuroki M., Miller M.J., Ishida R. and Tsukamoto K.: Morphology and microchemistry of abnormal otoliths in the Ayu, *Plecoglossus altivelis*. *Environmental Biology of Fishes*, **83**, 155-167, 2008.
- Ma T., Miller M.J., Aoyama J., Minagawa G., Inoue J.S., Watanabe S. and Tsukamoto K.: Genetic identification of two types of *Ariosoma* leptocephali. *Coastal Marine Science*, **32**, 48-53, 2008.
- Mabuchi K., Senou H. and Nishida M.: Mitochondrial DNA analysis reveals cryptic large-scale invasion of non-native genotypes of common carp *Cyprinus caprio* in Japan. *Molecular Ecology*, **17**, 796-809, 2008.
- Maeda K., Takeshima H., Mizoiri S., Okada N., Nishida M. and Tachida H.: Isolation and characterization of microsatellite loci in the cichlid fish in Lake Victoria, *Haplochromis chilotes*. *Molecular Ecology Notes*, **8**, 428-430, 2008.
- Minegishi Y., Aoyama J., and Tsukamoto K.: Multiple population structure of the giant mottled eel *Anguilla marmorata*. *Molecular Ecology*, **17**, 3109-3122, 2008.
- Minegishi Y., Yoshizawa N. and Aoyama J.: Genetic population analysis for Japanese eels. *Kaiyo Monthly. Ex.*, **48**, 39-44, 2008. (峰岸有紀・吉澤菜津子・青山 潤: ウナギの遺伝的集団構造. 月刊海洋, 号外**48**, 39-44, 2008.)
- Miyazaki M., Fujiwara Y., Kawato M., Kubokawa K. and Horikoshi K.: *Neptunomonas japonica* sp. nov., an *Osedax japonicus* symbiont-like bacterium isolated from sediment adjacent to sperm whale carcasses off Kagoshima, Japan. *International Journal of Systematic and Evolutionary Microbiology*, **58**, 866-871, 2008.
- Miyazaki M., Nogi Y., Fujiwara Y., Kawato M., Nagahama T., Kubokawa K. and Horikoshi K.: *Amphritea japonica* sp. nov. and *Amphritea balenae* sp. nov., isolated from the sediment adjacent to sperm whale carcasses off Kagoshima, Japan. *International Journal of Systematic and Evolutionary Microbiology*, **58**, 2815-2820, 2008.
- Mizuta T., Asahina K., Suzuki M. and Kubokawa K.: Cloning of cytochrome P450 genes for sex steroid metabolism in amphioxus. *Journal of Experimental Zoology*, **309**, 1-11, 2008.
- Nobata S., Ogoshi M. and Takei Y.: Potent cardiovascular actions of homologous adrenomedullins in eel. *American Journal of Physiology*, **294**, R1544-R1553, 2008.
- Ogoshi M., Nobata S. and Takei Y.: Potent osmoregulatory actions of peripherally and centrally administered homologous adrenomedullins in eels. *American Journal of Physiology*, **295**, R2075-R2083, 2008.
- Ohji M., Kotake A. and Arai T.: Habitat use and migration of Plecoglossidae and Osmoridae fishes. *Journal of the Marine Biological Association of the United Kingdom*, **88**, 637-640, 2008.
- Okamura A., Huan Z., Mikawa N., Kotake A., Yamada Y., Utoh T., Horie N., Tanaka S., Oka H.P. and Tsukamoto K.: Decline in non-native freshwater eels in Japan: ecology and future perspectives. *Environmental Biology of Fishes*, **81**, 347-358, 2008.
- Okamura A., Yamada Y., Horie N., Utoh T., Mikawa N., Tanaka S. and Tsukamoto K.: Effects of silvering state on induced maturation and spawning in wild female Japanese eel *Anguilla japonica*. *Fisheries Science*, **74**, 642-648, 2008.
- Robinet T., Réveillac E., Kuroki M., Aoyama J., Tsukamoto K., Rabenevanana M.W., Valade P., Gagnaire P.A., Berrebi P. and Feunteun E.: New clues for freshwater eels (*Anguilla* spp.) migration routes to eastern Madagascar and surrounding islands. *Marine Biology*, **154**, 453-463, 2008.
- Sagawa T., Mikami A., Komatsu T., Kosaka N., Kosako A., Miyazaki M. and Takahashi M.: Mapping seagrass beds using IKONOS satellite image and side scan sonar measurements: a Japanese case study. *International Journal of Remote Sensing*, **29**, 281-291, 2008.
- Sato K.: Foraging strategy of European shags investigated using integrated information on behavior and habitat. *Proceedings of the 2007 Animal-Borne Imaging Symposium*, 115-116, 2008.
- Sato K.: Education on the spot. *Animals and Zoological Garden*, **Autumn**, 31, 2008. (佐藤克文: デートコースから教育の場へ. どうぶつと動物園, **Autumn**, 31, 2008.)
- Sato K.: Effect of global warming on penguins. *Morning Two*, **12**, 43, 2008. (佐藤克文: 温暖化とペンギン. モーニングツー, **12**, 43, 2008.)
- Sato K.: Diving capacity of penguins. *Morning Two*, **12**, 279, 2008. (佐藤克文: 超鳥ペンギンの潜水能力. モーニングツー, **12**, 279, 2008.)

- Sato K.: Mystery of penguins. *Morning Two*, **12**, 350, 2008. (佐藤克文: 超鳥ペンギンの謎. モーニングツー, **12**, 350, 2008.)
- Sato K.: Synchronized diving of penguins. *Morning Two*, **12**, 368, 2008. (佐藤克文: 超鳥ペンギンシンクロダイブ. モーニングツー, **12**, 368, 2008.)
- Sato K.: Why do penguins swim at speed of 2 m/s? *Morning Two*, **12**, 379, 2008. (佐藤克文: 秒速2メートルの謎. モーニングツー, **12**, 379, 2008.)
- Sato K.: Study of European shag using Bio-Logging method. *Bird Research News*, **5**, 1-2, 2008. (佐藤克文: バイオロギング手法を用いたヨーロッパヒメウ研究. *Bird Research News*, **5**, 1-2, 2008.)
- Sato K.: Are they good friends? *Ushio*, **2**, 55-56, 2008. (佐藤克文: 仲が良いのか悪いのか. 潮, **2**, 55-56, 2008.)
- Sato K., Daunt F., Watanuki Y., Takahashi A. and Wanless S.: A new method to quantify prey acquisition in diving seabirds using wing stroke frequency. *Journal of Experimental Biology*, **211**, 58-65, 2008.
- Sato K. and Watanabe Y.: Ecology of birds and mammals living around ice edge. *Heredity*, **62**, 62-65, 2008. (佐藤克文・渡辺佑基: 氷縁に暮らす鳥類・哺乳類の生態 2) 哺乳類 (アザラン). 遺伝, **62**, 62-65, 2008.)
- Setiamarga, D.H., Miya M., Yamanoue Y., Mabuchi K., Satoh T.P., Inoue J.G. and Nishida M.: Interrelationships of Atherinomorpha (medakas, flyingfishes, killifishes, silversides, and their relatives): The first evidence based on whole mitogenome sequences. *Molecular Phylogenetics and Evolution*, **49**, 598-605, 2008.
- Shiomi K., Sato K., Mitamura H., Arai N., Naito Y. and Ponganis P.J.: Effect of ocean current on the dead-reckoning estimation of 3-D dive paths of emperor penguins. *Aquatic Biology*, **3**, 265-270, 2008.
- Takahashi A., Kobayashi Y., Moriyama S. and Hyodo S.: Evaluation of posttranslational processing of proopiomelanocortin in the banded houndshark pituitary by combined cDNA cloning and mass spectrometry. *General and Comparative Endocrinology*, **157**, 41-48, 2008.
- Takahashi A., Matsumoto K., Hunt Jr G.L., Shultz T., Kitaysky A.S., Sato K., Iida K. and Watanuki Y.: Thick-billed murre use different diving behaviors in mixed and stratified waters. *Deep-Sea Research Part II*, **55**, 1837-1845, 2008.
- Takei Y.: Exploring novel hormones essential for seawater adaptation in teleost fish. *General and Comparative Endocrinology*, **157**, 3-13, 2008.
- Takei Y.: Water metabolism in fishes. In: *Encyclopedia of Body and Water*, Sasaki S. and Ishibashi K. (eds.), Asakura Publishing Co. Ltd., Tokyo, pp100-106, 2008. (竹井祥郎: 魚類の水代謝. 「からだと水の事典」, 佐々木 成・石橋賢一(編), 朝倉書店, 東京, pp.100-106, 2008.)
- Takei Y.: From fish to human: discovery of two novel adrenomedullins. *Cardioangiology*, **64**, 486-495, 2008. (竹井祥郎: 魚類からヒトへ: 2種の新規アドレノメデュリンの発見. 循環器科, **64**, 486-495, 2008.)
- Takei Y., Hashimoto H., Inoue K., Osaki T., Yoshizawa-Kumagaye K., Tsunemi M., Watanabe T.X., Ogoshi M., Minamino N. and Ueta Y.: Central and peripheral cardiovascular actions of adrenomedullin 5, a novel member of the calcitonin gene-related peptide family, in mammals. *Journal of Endocrinology*, **197**, 391-400, 2008.
- Tsukamoto K.: Present status and conservation of eel resources. *Kaiyo Monthly, Ex.*, **48**, 5-8, 2008. (塚本勝巳: ウナギ資源の現状と保全 - コンビナーを代表して -. 月刊海洋, 号外**48**, 5-8, 2008.)
- Tsukamoto K.: Spawning area of the Japanese eel. *Kaiyo Monthly, Ex.*, **48**, 10-15, 2008. (塚本勝巳: ニホンウナギの産卵場. 月刊海洋, 号外**48**, 10-15, 2008.)
- Tsunagawa T. and Arai T.: Flexible migration of Japanese freshwater gobies *Rhinogobius* spp. as revealed by otolith Sr:Ca ratios. *Journal of Fish Biology*, **73**, 2421-2433, 2008.
- Umatani Y., Arai T. and Maekawa K.: Variation in migratory history of Dolly Varden in a stream with an artificial dam in the Shiretoko Peninsula, Hokkaido, Japan. *Environmental Biology of Fishes*, **83**, 37-44, 2008.
- Watanabe K., Takeshima H., Iwata A., Abe T., Uehara K., Kakioka R., Kihira D. and Nishida M.: Isolation and characterization of 39 microsatellite loci in the endangered Japanese loach *Leptobotia curta*. *Molecular Ecology Resources*, **8**, 145-148, 2008.
- Watanabe S., Aoyama J., Miller M.J., Ishikawa S., Feunteun E. and Tsukamoto K.: Evidence of population structure in the giant mottled eel, *Anguilla marmorata*, using total number of vertebrae. *Copeia*, **2008**, 680-688, 2008.
- Watanabe S., Aoyama J. and Tsukamoto K.: The use of morphological and molecular genetic variations to evaluate subspecies issues in the genus *Anguilla*. *Coastal Marine Science*, **32**, 19-29, 2008.
- Watanabe S., Iida M., Fukui S., Takino S. and Tsukamoto K.: Oceanic dispersal of an amphidromous goby *Sicyopterus japonicus*: population structure and pelagic larval duration. *NANKISEIBUTU*, **50**, 213-221, 2008. (渡邊 俊・飯田 碧・福井正二郎・瀧野秀二・塚本勝巳: ポウズハゼ (*Sicyopterus japonicus*) の海洋分散に関する一考察: 集団構造と浮遊仔魚期間に着目して. 南紀生物, **50**, 213-221, 2008.)
- Watanabe Y. and Sato K.: Functional dorsoventral symmetry in relation to lift-based swimming in the ocean sunfish *Mola mola*. *PLoS ONE*, **3**, e3446, 2008.
- Watanabe Y., Wei Q., Yang D., Chen X., Du H., Yang J., Sato K., Naito Y. and Miyazaki N.: Swimming behavior in relation to buoyancy in an open swimbladder fish, the Chinese sturgeon. *Journal of Zoology*, **275**, 381-390, 2008.
- Watanuki Y., Daunt F., Takahashi A., Newell M., Wanless S., Sato K. and Miyazaki N.: Microhabitat use and prey capture of a bottom feeding top predator, the European shag, as shown by camera loggers. *Marine Ecology Progress Series*, **356**, 283-293, 2008.
- Watanuki Y. and Sato K.: Dive angle, swim speed and wing stroke during shallow and deep dives in common murre and rhinoceros auklets. *Ornithological Science*, **7**, 15-28, 2008.
- Yada T., Hyodo S. and Schreck C.B.: Effects of seawater acclimation on mRNA levels of corticosteroid receptor genes in osmoregulatory and immune systems in trout. *General and Comparative Endocrinology*, **156**, 622-627, 2008.
- Yamamoto T., Takahashi A., Yoda K., Katsumata N., Watanabe S., Sato K. and Trathan P.N.: The lunar cycle affects at-sea behaviour in a pelagic seabird, the streaked shearwater, *Calonectris leucomelas*. *Animal Behaviour*, **76**, 1647-1652, 2008.
- Yamanoue Y., Miya M., Matsuura K., Katoh M., Sakai H. and Nishida M.: A new perspective on phylogeny and evolution of tetraodontiform fishes (Pisces: Acanthopterygii) based on whole mitochondrial genome sequences: Basal ecological diversification? *BMC Evolutionary Biology*, **8**, 212, 2008.
- Yamanoue Y., Miya M., Matsuura K., Miyazawa S., Tsukamoto N., Doi H., Takahashi H., Mabuchi K., Nishida M. and Sakai H.: Explosive speciation of *Takifugu*: another use of fugu as a model system for evolutionary biology. *Molecular Biology and Evolution*, **26**, 623-629, 2008.
- Yokouchi K., Aoyama J., Oka H.P. and Tsukamoto K.: Variation in the demographic characteristics of yellow-phase Japanese eels in different habitats of the Hamana Lake system, Japan. *Ecology of Freshwater Fish*, **17**, 639-652, 2008.



Zuccarelli M.D., Kusakabe M., Nakamura I., Prentice E.F., Young G. and Ingermann R.L.: Acute stress response of Kootenai River white sturgeon, *Acipenser transmontanus* Richardson reflected in peritoneal fluid and blood plasma. *Journal of Fish Biology*, **72**, 1831-1840, 2008.

## Living Marine Resources

- Hasumi H., Yasuda I., Tatebe H. and Kimoto M.: Pacific bi decadal climate variability regulated by tidal mixing around the Kuril Island. *Geophysical Research Letters*, **35**, 2008.
- Hayakawa J., Kawamura T., Ohashi S., Horii T. and Watanabe Y.: Habitat selection of Japanese top shell (*Turbo cornutus*) on articulated coralline algae; combination of preferences in settlement and post-settlement stage. *Journal of Experimental Marine Biology and Ecology*, **363**, 118-123, 2008.
- Hiramatsu K.: Assessment and management of fisheries stocks managed by TAC. 56th Annual Report of the Research Meeting on Saury Resources, 224-239, 2008. (平松一彦: TAC魚種の資源評価と資源管理. 第56回サンマ等小型浮魚資源研究会議報告, 224-239, 2008)
- Hoshino K. and Saruwatari T.: Risk of misidentification of samples and importance of voucher specimens. *DNA Polymorphism*, **16**, 145-148, 2008. (星野浩一・猿渡敏郎: DNA研究におけるサンプル誤同定の危険と証拠標本の重要性. DNA多型, **16**, 145-148, 2008.)
- Itoh S.: Observations of current and turbulence within the Urup Strait. *Kaiyo Monthly, Ex.*, **50**, 77-84, 2008. (伊藤幸彦: ウルップ海峡における流動・乱流構造観測. 月刊海洋, 号外**50**, 77-84, 2008.)
- Itoh S. and Sugimoto T.: Current variability of the Kuroshio near the separation point from the western boundary. *Journal of Geophysical Research*, **C113**, doi:10.1029/2007JC004682, 2008.
- Kai M. and Shirakihara K.: Effectiveness of a feedback management procedure based on controlling the size of marine protected areas through catch per unit effort. *ICES Journal of Marine Science*, **65**, 1216-1226, 2008.
- Kaneko H., Yasuda I., Ikeya T., Nishioka J. and Nakatsuka T.: Intermediate-depth nutrient distribution around the Kuril Straits. *Kaiyo Monthly, Ex.*, **50**, 93-98, 2008. (金子 仁・安田一郎・池谷 透・西岡 純・中塚 武: 千島列島付近での中層栄養塩分布. 月刊海洋, 号外**50**, 93-98, 2008.)
- Kato Y., Takebe T., Masuma S., Kitagawa T. and Kimura S.: Turbulence effect on the survival and feeding of Pacific bluefin tuna, *Thunnus orientalis*, larvae on the basis of a rearing experiment. *Fisheries Science*, **74**, 48-53, 2008.
- Kawamura T.: Seed production techniques of abalone species based on their ecological characteristics. *Kaiyo Monthly*, **40**, 552-559, 2008. (河村知彦: 生態学的特性に基づいたアワビ類種苗生産技術. 月刊海洋, **40**, 552-559, 2008.)
- Kawamura T., Horii T. and Takami H.: Assessment and future direction of abalone stock enhancement in Japan. *Kaiyo Monthly*, **40**, 485-489, 2008. (河村知彦・堀井豊充・高見秀輝: アワビ類栽培漁業の検証と今後の展望—総論—. 月刊海洋, **40**, 485-489, 2008.)
- Kimura S., Kato Y., Yamaoka N. and Kitagawa T.: Biological response of blue fin tuna larvae associated with global warming. *Bulletin of the Japanese Society of Fisheries Oceanography*, **72**, 290-291, 2008. (木村伸吾・加藤慶樹・山岡直樹・北川貴士: 地球温暖化に伴うクロマグロ仔魚の生態的応答. 水産海洋研究, **72**, 290-291, 2008.)
- Kimura S., Kim H-Y., Kitagawa T. and Miyazaki S.: Spawning migration of the Japanese eel, —characteristics of larval distribution on the basis of stable isotope analyses—. *Kaiyo Monthly, Ex.*, **48**, 59-63, 2008. (木村伸吾・金 熙容・北川貴士・宮崎幸恵: ニホンウナギの産卵回遊—同位体比解析からみた幼生分布の特徴—. 月刊海洋, 号外**48**, 59-63, 2008.)
- Kitagawa T.: Studies on the behavioral ecology and thermal adaptation mechanisms of Pacific bluefin tuna, *Thunnus orientalis*. *Nippon Suisan Gakkaishi*, **74**, 580-583, 2008. (北川貴士: クロマグロの行動生態と水温適応機構に関する研究. 日本水産学会誌, **74**, 580-583, 2008.)
- Kitagawa T., Kimura S., Nakata H., Yamada H., Nitta A., Sasai Y. and Sasaki H.: Immature Pacific bluefin tuna, *Thunnus orientalis*, utilizes cold waters in the Subarctic Frontal Zone for trans-Pacific migration. *Environmental Biology of Fishes*, DOI 10.1007/s10641-008-9409-8, 2008.
- Kouketsu S. and Yasuda I.: Unstable frontal waves along the Kuroshio Extension with low-potential vorticity intermediate Oyashio water. *Journal of Physical Oceanography*, **38**, 2308-2321, 2008.
- Miyazaki S., Kim H-Y., Kitagawa T. and Kimura S.: Studies on diet environment of the Japanese eel larvae and adults on the basis of stable isotope analyses. *Kaiyo Monthly, Ex.*, **48**, 64-67, 2008. (宮崎幸恵・金 熙容・北川貴士・木村伸吾: 安定同位体比を用いたウナギ幼生の餌料環境に関する研究. 月刊海洋, 号外**48**, 64-67, 2008.)
- Miyazawa Y., Komatsu K. and Setoh S.: Reproduction of the Kuroshio-Oyashio Extension Area using JCOPE2 numerical ocean forecast system. *Umi to Sora*, **84**, 85-91, 2008. (宮澤泰正・小松幸生・瀬藤 聡: 数値海況予測システムJCOPE2による黒潮・親潮混合域の再現性. 海と空, **84**, 85-91, 2008.)
- Moriyama A., Tatsukawa K. and Shirakihara K.: A trial to evaluate reproductive potential of Japanese eel. *Kaiyo Monthly, Ex.*, **48**, 74-81, 2008. (森山彰久・立川賢一・白木原国雄: 繁殖値に基づくウナギの再生産評価. 月刊海洋, 号外**48**, 74-81, 2008.)
- Nishikawa H. and Yasuda I.: Variation of Japanese sardine (*Sardinops melanostictus*) mortality in relation to the winter mixed layer in the Kuroshio Extension. *Fisheries Oceanography*, **17**, 411-420, 2008.
- Onitsuka T. and Kawamura T.: Factors affecting recruitment of abalone *Haliotis diversicolor* in Sagami Bay. *Kaiyo Monthly*, **40**, 500-506, 2008. (鬼塚年弘・河村知彦: 相模湾におけるトコブシの新規加入量変動要因. 月刊海洋, **40**, 500-506, 2008.)
- Onitsuka T., Kawamura T., Horii T., Takiguchi N. and Watanabe Y.: Survival, growth and recruitment of abalone *Haliotis diversicolor* in Sagami Bay, Japan. *Journal of Shellfish Research*, **27**, 843-855, 2008.
- Onitsuka T., Kawamura T., Ohashi S., Iwanaga S., Horii T. and Watanabe Y.: Effects of sediments on larval settlement of abalone *Haliotis diversicolor*. *Journal of Experimental Marine Biology and Ecology*, **365**, 53-58, 2008.
- Oohara I., Kobayashi T., Hoshino K., Saruwatari T. and Takashima Y.: Identification of 6 fish species in genus *Decapterus* by using partial sequences of cytochrome b. *DNA Polymorphism*, **16**, 149-151, 2008. (大原一郎・小林敬典・星野浩一・猿渡敏郎・高島康晴: Cytb部分塩基配列を用いたムロアジ属6種の種判別. DNA 多型, **16**, 149-151, 2008.)
- Osafune S. and Yasuda I.: Water mass variations in the subarctic North Pacific in relation to the 18.6-year period nodal tidal cycle. *Kaiyo Monthly, Ex.*, **50**, 41-49, 2008. (長船哲史・安田一郎: 北太平洋亜寒帯域での18.6年水塊変動. 月刊海洋, 号外**50**, 41-49, 2008.)
- Sakurada R. and Hiramatsu K.: Evaluation of the ABC decision rule for Japanese common squid (*Todarodes pacificus*) using an operating model. Report of the Research Meeting on Squid Resources (fiscal year 2007/2008), 55-62, 2008. (櫻田玲子・平松一彦: オペレーティングモデルを用いたスルメイカABC算定規則の検討. イカ類資源研究会議報告 (平成19年度), 55-62, 2008.)

- Saruwatari T.: Larvae and juveniles of Mehikari, *Chlorophthalmus* spp. Vast oceanic migration inferred from their small body. *Aquabiology*, **30**, 733-739, 2008. (猿渡敏郎: メヒカリ(アオメエノ属魚類)の仔稚魚。小さな体が明かす大回遊。海洋と生物, **30**, 733-739, 2008.)
- Saruwatari T. and Hoshino K.: On the holotype specimen of Maru-aomeeso *Chlorophthalmus borelalis* Kuronuma and Yamaguchi 1941. *Aquabiology*, **30**, 760-761, 2008. (猿渡敏郎・星野浩一: マルアオメエノ*Chlorophthalmus borelalis* Kuronuma and Yamaguchi 1941のホロタイプ(完模式標本)について。海洋と生物, **30**, 760-761, 2008.)
- Shirakihara K.: Biological assessment of ecological important areas for fish and invertebrates in the Yellow Sea Ecoregion (Japan Part). In: *Biological Assessment report of the Yellow Sea Ecoregion*, Tobai S. et al. (eds.), WWF/KORDI/KEI, Tokyo, pp.123-137, 2008.
- Shirakihara K.: Marine life and the environment. In: *Natural environmental studies for sustainability*, Department of Natural environmental Studies, Graduate School of Frontier Sciences, The University of Tokyo, Kashiwa, pp. 187-199, 2008.
- Shirakihara M., Seki K., Takemura A., Shirakihara K., Yoshida H. and Yamazaki T.: Food habits of finless porpoises *Neophocaena phocaenoides* in western Kyushu, Japan. *Journal of Mammalogy*, **89**, 1248-1256, 2008.
- Takahashi M., Nishida H., Yatsu A. and Watanabe Y.: Year-class strength and growth rates after metamorphosis of Japanese sardine (*Sardinops melanostictus*) in the western North Pacific Ocean during 1996-2003. *Canadian Journal of Fisheries and Aquatic Sciences*, **65**, 1425-1434, 2008.
- Takami H., Saido T., Endo T., Noro T., Musashi T. and Kawamura T.: Overwinter mortality of young-of-the-year Ezo abalone (*Haliotis discus hannai*) in relation to sweater temperature on the Northern Pacific coast of Japan. *Marine Ecology Progress Series*, **367**, 203-212, 2008.
- Tamura H., Waseda T., Miyazawa Y. and Komatsu K.: Current-induced modulation of the ocean wave spectrum and the role of nonlinear energy transfer. *Journal of Physical Oceanography*, **38**, 2662-2684, 2008.
- Watanabe Y.: Ecology and population fluctuation of small pelagic fishes. *Suisan-Sinko*, **42**, 1-48, 2008. (渡邊良朗: 小型浮魚類の生態と資源量変動。水産振興, **42**, 1-48, 2008.)
- Watanabe Y., Dingsjor D.E., Tian Y., Tanaka I. and Stenseth N.C.: Determinants of mean length at age of spring spawning herring off the coast of Hokkaido. *Marine Ecology Progress Series*, **366**, 209-217, 2008.
- Won N.-I., Kawamura T., Takami H. and Watanabe Y.: Applicability of stable isotope analyses for ecological studies of abalone: estimation of fractionation values and natural diets. *Journal of Shellfish Research*, **27**, 871-879, 2008.
- Yagi M. and Yasuda I.: Turbulence observation in Kuril Straits using density inversions. *Kaiyo Monthly, Ex.*, **50**, 85-92, 2008. (八木雅宏・安田一郎: 千島列島海域における密度逆転を用いた乱流混合観測。月刊海洋, 号外**50**, 85-92, 2008.)
- Yasuda I.: Review of the symposium "Tidal mixing and physical, chemical and biological processes in the Okhotsk Sea and the Bering Sea. *Kaiyo Monthly, Ex.*, **50**, 5-15, 2008. (安田一郎: 総論: 潮汐混合とオホーツク海・ベーリング海の物理・化学・生物過程。月刊海洋, 号外**50**, 5-15, 2008.)
- Yatsu A., Aydin K.Y., King J.R., McFarlane G.A., Chiba S., Tadokoro K., Kaeriyama M. and Watanabe Y.: Elucidating dynamic responses of North Pacific fish populations to climate forcing: Influence of life-history strategy. *Progress in Oceanography*, **77**, 252-268, 2008.
- Yoshinari H., Setoh S., Okuno A., Anbe D., Komatsu K. and Miyazawa Y.: Influence of Argo data on the FRA-JCOPE data assimilation. *Umi to Sora*, **84**, 77-84, 2008. (吉成浩志・瀬藤 聡・奥野 章・安倍大介・小松幸生・宮澤泰正・FRA-JCOPEグループ: FRA-JCOPEの再現性に対するArgoデータの影響評価。海と空, **84**, 77-84, 2008.)
- Zenimoto K., Kimura S. and Nakata H.: Oceanic structure of spawning areas for the Atlantic eels in the North Atlantic Ocean. *Kaiyo Monthly, Ex.*, **48**, 68-72, 2008. (銭本 慧・木村伸吾・中田英昭: 北大西洋におけるウナギ属魚類産卵海域の海洋構造特性。月刊海洋, 号外**48**, 68-72, 2008.)

## Multiple Field Marine Science

- Agusa T., Nomura K., Kunito T., Anan Y., Iwata H., Miyazaki N., Tatsukawa R. and Tanabe S.: Interelement relationships and age-related variation of trace element concentrations in liver of striped dolphin (*Stenella coeruleoalba*) from Japanese coastal waters. *Marine Pollution Bulletin*, **57**, 807-815, 2008.
- Aoki T. and Tsukamoto K.: The future of fisheries science and the Japanese Society of Fisheries Science Part-III: Action plans for the future of the society. *Nippon Suisan Gakkaishi*, **74**, 1088-1089, 2008. (青木 宙・塚本勝巳: 日本水産学会理事会・日本学術会議水産学分会主催シンポジウム 水産学と日本水産学会の未来 Part-III 一行動する日本水産学会一。日本水産学会誌, **74**, 1088-1089, 2008.)
- Furuta S., Yoshida M., Okamoto T., Wakabayashi T., Ichise S., Aoki S., Kohno T. and Miyajima T.: Morphological variations of a manganese-oxidizing microorganism *Metallogenium* observed in the developmental process of cultures collected from Lake Biwa. *Japanese Journal of Limnology*, **68**, 433-441, 2008.
- Harino H., Arai T., Ohji M., Ismail A.B. and Miyazaki N.: Organotin contaminations in Malaysia. *Coastal Marine Science*, **32**, 96-101, 2008.
- Harino H., Eguchi S., Yamamoto Y., Kurokawa Y., Kawai S., Arai T., Ohji M., Yamato S., Kobayashi N. and Miyazaki N.: Distribution of organotin compounds in representative coastal areas from Japan. *Coastal Marine Science*, **32**, 88-95, 2008.
- Harino H., Ohji M., Brownell R.L., Arai T. and Miyazaki N.: Concentrations of organotin compounds in the stranded killer whales from Rausu, Hokkaido, Japan. *Archives of Environmental Contamination and Toxicology*, **55**, 137-142, 2008.
- Harino H., Ohji M., Gullaya W., Karnjana A., Arai T. and Miyazaki N.: Accumulation of organotin compounds in tissues and organs of dolphins from the coasts of Thailand. *Archives of Environmental Contamination and Toxicology*, **54**, 145-153, 2008.
- Ishibashi H., Iwata H., Kim E.-Y., Tao L., Kannan K., Amano M., Miyazaki N., Tanabe S., Batoev V.B. and Petrov E.A.: Contamination and effects of perfluorochemicals in Baikal seal (*Pusa sibirica*), residue level, tissue distribution, and temporal trend. *Environmental Science & Technology*, **42**, 2295-2301, 2008.
- Itoh H., Aoki M., Tsuchiya Y., Sato T., Shinagawa H., Komatsu T., Mikami A. and Hama T.: Fate of organic matter in faecal pellets egested by epifaunal mesograzers living in a *Sargassum* forest and its implications for biogeochemical cycling. *Marine Ecology Progress Series*, **352**, 101-112, 2008.
- Kajiwara N., Kamikawa S., Amano M., Hayano A., Yamada T.K., Miyazaki N. and Tanabe S.: Polybrominated diphenyl ethers (PBDEs) and organochlorines in melon-headed whales, *Peponocephala electra*, mass stranded along the Japanese coasts: maternal transfer and temporal trend. *Environmental Pollution*, **156**, 106-114, 2008.

- Kajiwara N., Watanabe M., Wilson S., Eybatov T., Mitrofanov I.V., Aubrey D.G., Khuraskin L.S., Miyazaki N. and Tanabe S.: Persist organic pollutants (POPs) in Caspian seals of unusual mortality event during 2000 and 2001. *Environmental Pollution*, **152**, 431-442, 2008.
- Kim C., Miyajima T. and Nagata T.: Stable isotope ratio of dissolved inorganic carbon. In: *Stable Isotopes in Environmental Assessment of Watersheds — Progress Towards an Integrated Approach*, Nagata T. and Miyajima T. (eds.), Kyoto University Press, pp. 133-148, 2008 (金 喆九・宮島利宏・永田 俊: 溶存無機炭素安定同位体比による評価.「流域環境評価と安定同位体—水循環から生態系まで」, 永田 俊・宮島利宏(編), 京都大学学術出版会, pp.133-148, 2008.)
- Kimberly H., Kannan K., Isobe T., Takahashi S., Yamada T., Miyazaki N. and Tanabe S.: Time trends and transplacental transfer of perfluorinated compounds in melon-headed whales stranded along the Japanese coast in 1982, 2001/2002, and 2006. *Environmental Science & Technology*, **42**, 7132-7137, 2008.
- Kitajima K., Hirata T., Maruyama S., Yamanashi T., Sano Y. and Liou J.G.: U-Pb zircon geochronology using LA-ICP-MS in the North Pole Dome, Pilbara Craton, Western Australia: A new tectonic growth model for the Archean chert/greenstone succession. *International Geological Review*, **50**, 1-14, 2008.
- Kohzu A., Miyajima T., Tayasu I., Yoshimizu C., Hyodo F., Matsui K., Nakano T., Wada E., Fujita N. and Nagata T.: Use of stable nitrogen isotope signatures of riparian macrophytes as an indicator of anthropogenic N inputs to river ecosystems. *Environmental Science and Technology*, **42**, 7837-7841, 2008.
- Kohzu A., Tayasu I., Yoshimizu C., Maruyama A., Kohmatsu Y., Hyodo F., Onoda Y., Igeta A., Matsui K., Nakano T., Wada E., Nagata T. and Takemon Y.: Nitrogen stable isotopic signatures of basal food items, primary consumers and omnivores in rivers with different levels of human impact. *Ecological Research*, **24**, 127-136, 2008.
- Komatsu T.: Mediterranean Sea and its inflow rivers. In: *Rivers and seas: Science of basin zones*, Unoki S., Yamamoto T. and Seino S. (eds.), Tsukiji-Shokan, Tokyo, pp. 245-257, 2008. (小松輝久: 地中海とその流入河川.「川と海 流域圏の科学」, 宇野木早苗・山本民治・清野聡子(編), 築地書館, 東京, pp. 245-257, 2008.)
- Komatsu T., Mikami A., Ajisaka T., Aoki M., Uwai S., Tanaka K., Ishida K., Fukuda M., Kokubu Y. and Michida Y.: Ecology and function of drifting seaweeds. *Seaweed Resources*, **19**, 9-17, 2008. (小松輝久・三上温子・髭坂哲朗・青木優和・上井進也・田中克彦・石田健一・福田正浩・國分優孝・道田 豊: 流れ藻の生態と機能. 海藻資源, **19**, 9-17, 2008.)
- Kondo Y., Takeda S., Nishioka J., Obata H., Furuya K., Johnson W.K. and Wong C.S.: Organic iron (III) complexing ligands during an iron enrichment experiment in the western subarctic North Pacific. *Geophysical Research Letters*, **35**, L12601, 2008.
- Maki K. and Nagata T.: Sources and dynamics of dissolved organic matter in lakes. In: *Stable Isotopes in Environmental Assessment of Watersheds — Progress Towards an Integrated Approach*, Nagata T. and Miyajima T. (eds.), Kyoto University Press, pp. 187-197, 2008. (横 洗・永田 俊: 湖沼における溶存態有機物の起源と動態.「流域環境評価と安定同位体—水循環から生態系まで」, 永田 俊・宮島利宏(編), 京都大学学術出版会, 日本, pp. 187-197, 2008.)
- Miyazaki N. and Wattayakorn G.: Marine pollution of hazardous chemicals in the Asian waters. In: *Coastal Systems and Continental Margins*, Mimura M. (eds.), Springer, pp.101-111, 2008.
- Miyazaki N. and Wattayakorn G.: *The ASEAN International Conference "Conservation on the Coastal Environment"*, Shinjusha, Tokyo, 132pp., 2008.
- Nagata T.: Stable isotope indicators for the assessment of watershed environments. In: *Stable Isotopes in Environmental Assessment of Watersheds—Progress Towards an Integrated Approach*, Nagata T. and Miyajima T. (eds.), Kyoto University Press, pp. 395-409, 2008. (永田 俊: 流域環境評価と安定同位体指標.「流域環境評価と安定同位体—水循環から生態系まで」, 永田 俊・宮島利宏(編), 京都大学学術出版会, pp. 395-409, 2008)
- Rumengan I.F.M., Ohji M., Arai T., Harino H., Arfin Z. and Miyazaki N.: Contamination status of butyltin compounds in Indonesian coastal waters. *Coastal Marine Science*, **32**, 116-126, 2008.
- Sawaki Y., Nishizawa M., Suo T., Komiya T., Hirata T., Takahata N., Sano Y., Han J., Kon Y. and Maruyama S.: Internal structures and U-Pb ages of zircons from a tuff layer in the Meishucunian formation, Yunnan Province, South China. *Gondwana Research*, **14**, 148-158, 2008.
- Tsukamoto K.: The future of fisheries science and the Japanese Society of Fisheries Science Part-III: Research and social activities. (塚本勝巳: 水産学と日本水産学会の未来 Part-III —行動する日本水産学会—III (3) 研究と社会連携. 日本水産学会誌, **74**, 1111-1112, 2008.)
- Yang J., Harino H., Liu H. and Miyazaki N.: Monitoring the organotin contamination in the Taihu Lake of China by bivalve mussel *Anodonta woodiana*. *Bulletin of Environmental Contamination and Toxicology*, **81**, 164-168, 2008.
- Yang J., Kunito T., Anan Y., Tanabe S. and Miyazaki N.: Subcellular distribution of trace elements in kidney of a mother-fetus pair of Dall's porpoises (*Phocoenoides dalli*). *Chemosphere*, **70**, 1203-1210, 2008.

## HADEEP

- Amano K., Jenkins R.G., Kurihara Y.: A New Genus for *Vesicomya inflata* Kanie and Nishida, a Lucinid Shell Convergent with that of Vesicomys, from Cretaceous Strata of Hokkaido, Japan. *Veliger*, **50**, 255-262, 2008.
- Asahi H. and Takahashi K.: A new insight into oceanography with multivariate and time-series analyses on the 1990-1999 planktonic foraminiferal fluxes in the Bering Sea and the central subarctic Pacific. *Memories of the Faculty of Science, Kyushu University, Earth and Planetary Sciences*, **32**, 73-96, 2008.
- Kaim A., Jenkins R.G. and Waren A.: Provannid and provannid-like gastropods from the Late Cretaceous cold seeps of Hokkaido (Japan) and the fossil record of the Provannidae (Gastropoda: Abyssochrysoidea). *Zoological Journal of the Linnean Society*, **154**, 421-436, 2008.
- Kuroyanagi A.: Reconstruction of plaeo-environment based on the laboratory culture experiments of planktonic foraminifera. *Chikyū Monthly*, **30**, 338-345, 2008. (黒柳あずみ: 浮遊性有孔虫の飼育実験が寄与する環境解析. 月刊地球, **30**, 338-345, 2008.)
- Machida S., Ishii T., Kimura J., Awaji S. and Kato Y.: Petrology and geochemistry of cross-chains in the Izu-Bonin back arc: Three mantle components with contributions of hydrous liquids from a deeply subducted slab. *Geochemistry Geophysics Geosystems*, **9**, 5, 2008.