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# 研究業績 | PUBLICATION LIST 2006

## Physical Oceanography

- Ishigami K., Michida Y., Komatsu T. and Tanaka K. : Accumulation mechanism of drifting seaweeds in the eastern Suruga Bay based on surface drifter. Proceedings of Techno-Ocean 2006/19th JASNAOE Ocean Engineering Symposium, *Techno-Ocean 2006/19th JASNAOE Ocean Engineering Symposium Conference Committee*, P113, 2006.
- Isoguchi O., Kawamura H. and Oka E. : Quasi-stationary jets transporting surface warm waters across the transition zone between the subtropical and the subarctic gyres in the North Pacific. *Journal of Geophysical Research*, **111**, doi : 10.1029/2005JC003402, 2006.
- Kawabe M. : Preliminary Report of the Hakuho Maru Cruise KH-05-4,42pp, 2006.
- Kawabe M., Yanagimoto D. and Kitagawa S. : Variations of deep western boundary currents in the Melanesian Basin in the western North Pacific. *Deep-Sea Research Part I*, **53**, 942-959, 2006.
- Maejima Y., Iga K. and Niino H. : Upper-tropospheric vortex street and its formation mechanism. *SOLA*, **2**, 80-83, 2006.
- Michida Y., Takimoto R., Sojisuporn P. and Yanagi T. : Divergence/convergence field observed with GPS tracked drifters in the Upper Gulf of Thailand. *Coastal Marine Science*, **30**, 27-35, 2006.
- Nakamura Y., Noguchi T., Tsuji T., Itoh S., Niino H. and Matsuoka T. : Simultaneous seismic reflection and physical oceanographic observations of oceanic finestructure in the Kuroshio extension front. *Geophysical Research Letters*, **33**, L23605, doi : 10.1029/2006GL027437, 2006.
- Nakanishi M. and Niino H. : An improved Mellor-Yamada level-3 model : Its numerical stability and application to a regional prediction of advection fog. *Boundary-Layer Meteorology*, **119**, 397-407, doi : 10.1007/s10546-005-9030-8, 2006.
- Niino H., Mori A., Satomura T. and Akiba S. : Flow regimes of non-linear heat island circulation. *Journal of the Atmospheric Sciences*, **63**, 1538-1547, 2006.
- Tanaka K. : Effects of the Earth's rotation and bottom slope on density current descending a sloping bottom. *Journal of Geophysical Research*, **111**, C11018, doi : 10.1029/2006JC003677, 2006.
- 石井春雄・道田 豊 : GPS船速の誤差がADCP流速に及ぼす影響. 海洋情報部研究報告, **42**, 89-100, 2006.
- 石垣秀雄・北川庄司・柳本大吾 : XBT, XCTD観測. 「海洋観測マニュアル」, 蓮本浩志, 東京大学海洋研究所, 東京, pp.91-106, 2006.
- 小熊健治・柳本大吾・蓮本浩志 : 塩分測定. 「海洋観測マニュアル」, 蓮本浩志, 東京大学海洋研究所, 東京, pp.245-252, 2006.
- 小倉義光 : お天気の見方・楽しみ方 (3) シャビロ・カイザーの低気圧モデルと日本海低気圧, 天気, **53**, 215-222, 2006.
- 小倉義光 : お天気の見方・楽しみ方 (4) 春の嵐を呼ぶ日本海低気圧, 天気, **53**, 319-329, 2006.
- 小倉義光 : お天気の見方・楽しみ方 (5) 2003年7月3~4日静岡豪雨と梅雨前線小低気圧の世代交代, 天気, **53**, 509-518, 2006.
- 小倉義光・新野 宏 : お天気の見方・楽しみ方 (6) 謎に満ちた不意打ち集中豪雨—2004年6月30日静岡豪雨の場合 (その1), 天気, **53**, 713-719, 2006.

- 小倉義光・新野 宏：お天気の見方・楽しみ方(6) 謎に満ちた不意打ち集中豪雨—2004年6月30日静岡豪雨の場合(その2), 天気, **53**, 821-828, 2006.
- 小倉義光・西村修司・隈部良司：お天気の見方・楽しみ方(7) 二つ玉低気圧(その1), 天気, **53**, 889-894, 2006.
- 川辺正樹：黒潮大蛇行の形成と維持. 月刊海洋, **38**, 27-32, 2006.
- 北川庄司・柳本大吾・蓮本浩志：CTD (Sea-Bird's) & キャロウセル採水装置. 「海洋観測マニュアル」, 蓮本浩志, 東京大学海洋研究所, 東京, pp.9-90, 2006.
- 中村晃三：GCSS境界層雲WG CASE9 (DYCOMS-II, RF02) の比較実験について. 月刊海洋, 号外**44**号, 111-118, 2006.
- 新野 宏：積乱雲の振る舞いから高精度の気象・気候予測をめざす. 化学, **61**, 28-32, 2006.
- 道田 豊・石神健二・小松輝久・浅野啓輔：駿河湾における表層流の収束発散と流れ藻の移動. 月刊海洋, **38**, 547-552, 2006.
- 道田 豊：八丈島では黒潮が南下すると潮が引く. 「続・海のトリビア」, 海洋政策研究財団・日本海洋学会, 日本教育新聞社, 東京, pp.75-76, 2006.

## Chemical Oceanography

- Arai T. and Hirata T. : Differences in the trace element deposition in otoliths between marine- and freshwater-resident Japanese eels. *Anguilla japonica*. as determined by laser ablation ICPMS. *Environmental Biology of Fishes*, **75**, 173-182, 2006.
- Arakawa S., Sato T., Sato R., Zhang J., Gamo T., Tsunogai U., Hirota A., Yoshida Y., Usami R., Inagaki F. and Kato C. : Molecular phylogenetic and chemical analyses of the microbial mats in deep-sea cold seep sediments at the northeastern Japan Sea. *Extremophiles*, **10**, 311-319, 2006.
- Chen C-T.A., Houl W-P., Gamo T. and Wang S. L. : Carbonate related parameters of subsurface waters in the West Philippine, South China and Sulu Seas. *Marine Chemistry*, **99**, 151-161, 2006.
- Gamo T. : Oceanographic studies using dissolved gases as chemical tracers. *Oceanography in Japan*, **15**, 127-142, 2006.
- Gamo T., Ishibashi J., Tsunogai U., Okamura K. and Chiba H. : Unique geochemistry of submarine hydrothermal fluids from arc-backarc settings of the western Pacific. *Back-Arc Spreading Systems : Geological. Biological. Chemical and Physical Interactions*, Christie D. M. et al ed., American Geophysical Union, U. S. A., 147-161, 2006 .
- Hongo Y., Obata H., Alibo D.S. and Nozaki Y. : Spatial variations of rare earth elements in North Pacific surface water. *Journal of Oceanography*, **62**, 441-455, 2006.
- Kunioka D., Shirai K., Takahata N., Toyofuku T., Ujiie Y. and Sano Y. : Microdistribution of Mg/Ca. Sr/Ca. and Ba/Ca ratios in Pulleniatina obliquiloculata test by using a Nano-SIMS ; Implication for the vital effect mechanism. **7**, *Q12P20, Geochemistry, Geophysics, Geosystems*, 2006.
- Maruo M., Doi T. and Obata H. : Onboard determination of submicromolar nitrate in seawater by anion-exchange chromatography with lithium chloride eluent. *Analytical Sciences*, **22**, 1175-1178, 2006.
- Nakamura T., Ogawa H., Maripi D.K. and Uematsu M. : Contribution of water soluble organic nitrogen to total nitrogen in marine aerosols over the East China Sea and western North Pacific. *Atmospheric Environment*, **40**, 7259-7264, 2006.

- Nakayama N. and Gamo T : An evaluation for mixing and biological processes based on oxygen isotopic ratios of dissolved oxygen. *Geochim. Cosmochim. Acta*, 70,18,441, 2006.
- Nakayama N., Obata H. and Gamo T : The  $^{18}\text{O}/^{16}\text{O}$  ratios of dissolved oxygen in the Philippine Sea, *J. biodivers, oceano. conserv.*, 70, 133, Oxygen Minimum System in the Ocean : Distribution, Diversity and Dynamics, Oct. 24-26, 2006, Concepcion, Chile, 2006.
- Obata H., Yoshida T. and Ogawa H. : Determination of picomolar levels of platinum in estuarine waters : a comparison of cathodic stripping voltammetry and isotope dilution-inductively coupled plasma mass spectrometry. *Analytica Chimica Acta*, 580, 32-38, 2006.
- Sano Y., Terada K., Ly C.U. and Park E.J. : Ion microprobe U-Pb dating of a dinosaur. *Geochemical Journal*, 40, 171-179, 2006.
- Sato T., Miyajima T., Ogawa H., Umezawa Y. and Koike I. : Temporal variability of stable carbon and nitrogen isotopic composition of size-fractionated particulate organic matter in the hypertrophic Sumida River Estuary of Tokyo Bay, Japan. *Estuarine, Coastal and Shelf Science*, 68, 245-258, 2006.
- Tanaka Y., Miyajima T., Umezawa Y., Fukuda H., Koike I., Ogawa H. and Hayashibara T : Effects of nitrate enrichment on release of dissolved organic carbon and nitrogen from zooxanthellate coral. *Acropora pulchra* and *Porites cylindrica*. Proceedings of the 10th International Coral Reef Symposium, 925-931, 2006.
- Tanaka Y., Miyajima T., Koike I., Hayashibara T. and Ogawa H. : Translocation and conservation of organic nitrogen within the coral-zooxanthella symbiotic system of *Acropora pulchra*, as demonstrated by dual isotope-labeling techniques. *Journal of Experimental Marine Biology and Ecology*, 336, 110-119, 2006.
- Tazoe H., Obata H. and Gamo T. : Vertical profiles of cerium and neodymium isotopic compositions and REEs pattern in the Ross Sea. *Geochim. Cosmochim. Acta*, 70, A640, 2006.
- Toki T., Gamo T. and Tsunogai U. : Origins of hydrocarbons at Sagara oil field, central Japan. *The Island Arc*, 15, 285-291, 2006.
- 天川裕史・能村美穂・佐藤真由美・大浦泰嗣・海老原 充 : 海水中のスカンジウム (Sc) の高感度、高精度分析の開発—海水中におけるScの分布の解明を目指して—。月刊海洋, 431, 329-334, 2006.
- 小畑 元 : カソードリッピングボルタンメトリーを用いた海水中の微量鉄の分析。海洋化学研究, 19, 2-12, 2006.
- 織田志保・茅根 創・白井厚太郎・高畑直人・佐野有司 : サンゴ骨格中のSr/Ca, Mg/Ca比測定—ICP-AES, SIMS, EPMA分析法の評価—。地球化学, 40, 231-238, 2006.
- 蒲生俊敬・竹内 章編 : 日本海学の新世紀6 「海の力」, 角川書店, pp290, 2006.
- 蒲生俊敬 : 海洋研究と日本海, 日本海学の新世紀6 「海の力」, 蒲生俊敬・竹内 章編, 角川書店, 136-139, 2006.
- 蒲生俊敬 : GEOTRACES計画遂行に向けて—総論—, 月刊海洋, 38 (5), 309-315, 2006.
- 蒲生俊敬 : 現場分析学総論—海洋地球化学分野における有用性—, 月刊海洋, 38 (12), 831-836, 2006.
- 小池勲夫 : 「海洋における懸濁粒子の動態-表層における凝集と沈降を中心として-海洋生物の連鎖」, 木暮一啓, 東海大学出版会, 東京, 232-246, 2006.
- 小池勲夫 : 「地球温暖化はどこまで解明されたか—日本の科学者の貢献と今後の展望2006—」, 小池勲夫, 丸善, 東京, 247pp, 2006.

高畑直人・清田 馨・佐野有司：ヘリウム同位体を用いた深層循環の研究。「微量元素と同位体を用いた海洋の生物地球化学研究—GEOTRACES計画の動向と推進—」, 月刊海洋, **38**, 370-375, 2006.

福田秀樹：「コロイドの動態と代謝メカニズム-海洋生物の連鎖-」, 木暮一啓, 東海大学出版会, 東京, 247-265, 2006.

## Ocean Floor Geoscience

Abe M., Takemoto S., Fukuda Y., Higashi T., Imanishi Y., Iwano S., Ogasawara S., Kobayashi Y., Dwipa S. and Kusuma D.S. : Hydrological effects on the superconducting gravimeter observation in Bandung. *Journal of Geodynamics*, **41**, 288-295, 2006.

Ando A., Kawahata H. and Kakegawa T. : Sr/Ca ratios as indicators of varying modes of pelagic carbonate diagenesis in the ooze, chalk and limestone realms. *Sedimentary Geology*, **191**, 37-53, 2006.

Cannat M., Sauter D., Mendel V., Ruellan E., Okino K., Escartin J., Combier V. and Baala M. : Modes of seafloor generation at a melt-poor ultraslow-spreading ridge. *Geology*, **34**, 605-608, 2006.

Coffin M.F., Sawyer D.S., Reston T.J. and Stock J.M. : Continental breakup and sedimentary basin formation. *Eos*, **87**, 528, 2006.

Coffin M.F., Duncan R.A., Eldholm O., Fitton J.G., Frey F.A., Larsen H.C., Mahoney J.J., Saunders A.D., Schlich R., and Wallace P.J., : Large igneous provinces and scientific ocean drilling : status quo and a look ahead. *Oceanography*, **19** (4) , 150-160, 2006.

Gupta L.P. and Kawahata H. : Understanding biogeochemical processes in the Pacific Ocean on the basis of labile components of settling particles. *Global Climate Change and Response of Carbon Cycle in the Equatorial Pacific and Indian Oceans and Adjacent Landmasses. Elsevier Oceanography Series*, **73**, 135-156, 2006.

Gupta L.P., Kawahata H., Takeuchi M., Ohta H. and Ono Y. : Impact of changes in redox conditions on leaching of some elements from MSW fly ash. *Resource Geology*, **56**, 191-196, 2006.

Gupta L.P., Suzuki A. and Kawahata H. : Aspartic acid concentrations in coral skeletons as recorders of past disturbances of metabolic rates. *Coral Reefs*, **25**, 599-606, 2006.

Imanishi Y., Kokubo K. and Tatehata. H : Effect of underground water on gravity observation at Matsushiro, Japan. *Journal of Geodynamics*, **41**, 221-226, 2006.

Inoue M., Hata A., Suzuki A., Nohara M., Shikazono N., Wyss Y., Hantro W.S., Donghuai S. and Kawahata H. : Distribution and temporal changes of lead in the surface seawater in the western Pacific and adjacent seas derived from coral skeletons. *Environmental Pollution*, **144**, 1045-1052, 2006.

Isozaki Y., Kawahata H. and Ota A. : A unique carbon isotope record across the Guadalupian-Lopingian (middle-upper Permian) boundary in mid-oceanic paleoatoll carbonates: The high-productivity "Kamura event" and its collapse in Panthalassa. *Global Planetary Change*, **55**, 21-38, 2007.

Ito M., Gupta L.P., Masuda H. and Kawahata H. Thermal stability of amino acids in seafloor sediment in aqueous solution at high temperature. *Organic Geochemistry*, **37**, 177-188, 2006.

Kaiho K., Chen Z.-Q., Kawahata H., Kajiwara Y. and Sato H. : Close-up of the end-Permian mass extinction horizon recorded in the Meishan section, South China : Sedimentary, elemental and biotic characterization with a negative shift of sulfate sulfur isotope ratio. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **239**, 396-405, 2006.

- Kawahata H : Settling particles in the central north Pacific. *Global Climate Change and Response of Carbon Cycle in the Equatorial Pacific and Indian Oceans and Adjacent Landmasses, Elsevier Oceanography Series*, **73**, 107-133, 2006.
- Kawahata H., Inoue M., Nohara M. and Suzuki A. : Stable isotope and chemical composition of pearls-biomineralization in cultured pearl oysters in Ago Bay, Japan. *Journal of Oceanography*, **62**, 405-412, 2006.
- Kodaira S., Hori T., Ito A., Miura S., Fujie G., Park J., Baba T., Sakaguchi H. and Kaneda Y. : A cause of rupture segmentation and synchronization in the Nankai trough revealed by seismic imaging and numerical simulation. *Journal of Geophysical Research*, **111**, B09301. doi : 101029/2005JB004030, 2006.
- Neumeyer J., Barthelmes F., Dierks O., Flechtner F., Harnisch M., Harnisch J., Hinderer J., Imanishi Y., Kroner C., Meurers B., Petrovic S., Reigber Ch., Schmidt R., Schwintzer P., Sun H.-P. and Virtanen H. : Combination of temporal gravity variations resulting from superconducting gravimeter (SG) recordings, GRACE satellite observations and global hydrology models. *Journal of Geodesy*, **79**, 573-585, 2006.
- Omata T., Suzuki A. and Kawahata H. : Kinetic and metabolic isotope effects in coral skeletons. *Proceedings of the 10th International Coral Reef Symposium*, 557-566, 2006.
- Omura A., Hoyanagi K. and Ishikawa S. : Effect of environmental changes on origin and composition of organic matter, examples from the Pleistocene sediments in the Choshi Core, Boso Peninsula. *The Island Arc*, **15**, 355-365, 2006.
- Omura A., Hoyanagi K., Yoshida M., Yamazaki A., Yamagishi M. and Urabe A. : Sedimentation and preservation of organic matter in the Holocene estuary: examples from the Niigata plain central Japan. *SEPM Special Publication*, **85**, Darlymple R. et al. ed, SEPM, Oklahoma, 99-115, 2006.
- Suzuki A., Gagan M.K., Kan H., Edward A., Siringane F.P., Yonedaf M. and Kawahata H. : Coral records of the 1990s in the tropical northwest Pacific : ENSO, mass coral bleaching, and global warming. *Global Climate Change and Response of Carbon Cycle in the Equatorial Pacific and Indian Oceans and Adjacent Landmasses. Elsevier Oceanography Series*, **73**, 211-238, 2006.
- Suzuki A., Hibino K., Iwase A. and Kawahata H. : Influences of metabolism and growth variations on skeletal oxygen and carbon isotope ratios in cultured Porites corals: temperature-controlled experiments. *Proceedings of the 10th International Coral Reef Symposium*, 547-556, 2006.
- 芦 寿一郎・町山栄章・徐 垣・徳山英一 : スマトラ沖海底活断層の自然ガンマ線調査. 月刊地球, **56**, 73-78, 2006.
- 荒井晃作・岡村行信・池原 研・芦 寿一郎・徐 垣・木下正高 : 浜松沖前弧斜面上部に発達する活断層とテクトニクス. 地質学雑誌, **112**, 749-759, 2006.
- 小俣珠乃・鈴木 淳・川幡穂高・丸山 正 : サンゴ骨格の炭素同位体比の変動要因に関する研究. 地球化学, **40**, 263-276, 2006.
- 大村亜希子・池原 研 : 海盆底への堆積物運搬過程と海水準上昇に伴う沿岸環境変化の関連—後氷期, 熊野トラフと伊勢湾の例. 地質学雑誌, **112**, 122-135, 2006.
- 金田義行・朴 進午・尾鼻浩一郎・木下正高・堀 高峰・小平秀一・金沢敏彦・篠原雅尚・酒井慎一・山田知朗 : 2004年紀伊半島南東沖地震震源域の地殻構造と余震分布について. 地震, **59**, 187-197, 2006.
- 川幡穂高 : 海洋からの微量成分の除去と気候変動. 月刊海洋, **431**, 325-328, 2006.

- 白井正明：メタンハイドレート鉱床形成に関する陸源物質、特に有機物の深海底への輸送量評価。中間報告書 (XIII), 海洋研究船による地球環境温暖化に係わる温室効果気体の海洋における収支の観測研究, 65-72, 2006.
- 角田友明・川幡穂高・鈴木 淳・養島佳代・鹿園直建：石垣島安良崎のサンゴ骨格の酸素同位体比にみる冬期の水温変動1988/1989年気候レジームシフト。地球化学, 40, 2006.
- 鶴 哲郎・朴 進午・伊藤亜紀・木戸ゆかり・金田義行・山田知朗・篠原雅尚・金沢敏彦：繰り返し地震探査から推定されるプレート境界の水の移動と間隔圧変化。月刊地球, 28, 495-501, 2006.
- 吉田真見子・保柳康一・卜部厚志・山崎 梓・山岸美由紀・大村亜希子：堆積相と全有機炭素・窒素・イオウ濃度を用いた堆積環境の復元—新潟平野上部更新統～完新統の例—。「地質学論集」, 井内美郎ほか, 日本地質学会, 東京都, 59, 93-109, 2006.

## Marine Ecosystem Dynamics

- Chaerun S.K., Tazaki K., Asada R. and Kogure K. : Interaction between clay minerals and hydrocarbon-utilizing indigenous microorganisms in high concentration of heavy oil : Implications for bioremediation. *Clay Minerals*, **40**, 105-114, 2006.
- Hamasaki K. : Comparison of bromodeoxyuridine immunoassay with tritiated thymidine radioassay for measuring bacterial productivity in oceanic waters. *Journal of Oceanography*, **62**, 793-799, 2006.
- Johnson T.B., Nishikawa J. and Terazaki M. : Community structure and vertical distribution of chaetognaths in the Celebes and Sulu Seas. *Coastal Marine Science*, **30**, 360-372, 2006.
- Kita-Tsukamoto K., Wada M., Yao K., Kamiya A. and Kogure K. : Rapid identification of marine bioluminescent bacteria by amplified 16S ribosomal RNA gene restriction analysis. *FEMS Microbiology*, **256**, 298-303, 2006.
- Kojima S., Watanabe H., Tsuchida S., Fujikura K., Rowden A.A., Takai K. and Miura T. : Phylogenetic relationships of a tube worm (*Lamellibrachia juni*) from three hydrothermal vent fields in the South Pacific. *Journal of Marine Biology Association of United Kingdom*, **86**, 1357-1361, 2006.
- Kojima S., Kamimura S., Iijima A., Kimura T., Kurozumi T. and Furota T. : Molecular phylogeny and population structure of tideland snails in the genus *Cerithidea* around Japan. *Marine Biology*, **149**, 525-535, 2006.
- Kojima S., Tsuchida E., Numanami H., Fujikura K. and Okutani T. : Synonymy of *Calyptogena solidissima* with *Calyptogena kawamurai* (Bivalvia : Vesicomidae) and its population structure revealed by nucleotide sequences of mitochondrial DNA. *Zoological Science*, **23**, 835-842, 2006.
- Kudo I., Noiri Y., Nishioka J., Taira Y., Kiyosawa H. and Tsuda A. : Phytoplankton community response to Fe and temperature gradient in the NE (SERIES) and NW (SEEDS) subarctic Pacific Ocean. *Deep-Sea Research Part II*, **53**, 2201-2213, 2006.
- Kuriyama M. and Nishida S. : Species diversity and niche-partitioning in the pelagic copepods of the family Scolecitrichidae (Calanoida). *Crustaceana*, **79**, 293-317, 2006.
- Machida R.J., Miya M.U., Nishida M. and Nishida S. : Molecular phylogeny and evolution of the pelagic copepod genus *Neocalanus* (Crustacea : Copepoda). *Marine Biology*, **148**, 1071-1079, 2006.
- Marchetti A., Sherry N.D., Kiyosawa H., Tsuda A. and Harrison P.J. : Phytoplankton processes I : changes in biomass and community composition due to a mesoscale iron enrichment in the NE subarctic Pacific. *Deep-Sea Research Part II*, **53**, 2095-2113, 2006.

- Mitchell J.G. and Kogure K. : Bacterial motility: links to the environment and a driving force for microbial physics. *FEMS Microbiology Ecology*, **55**, 3-16, 2006.
- Miura. T. and Kojima S. : Two new species of vestimentiferan tubeworms (Polychaeta. Siboglinidae a.k.a. Pogonophora) from the Brothers Caldera, the Kermadec Arc, South Pacific Ocean. *Species Diversity*, **11**, 209-224, 2006.
- Nishimura M., Shimakita T., Kamiya E., Tashiro Y. and Kogure K. : Use of an automatic cell-counting system with LED illumination for enumeration of marine bacteria. *Fisheries Science*, **72**, 723-727, 2006.
- Nishimura M., Yoshida A., Toyoda K., Yamada M., Nomura H., Wada M., Okamoto K., Shibata A., Takada H. and Ohwada K. : Mesocosm experiment on the succession of microbial community in response to oil contamination to coastal seawater. *La mer*, **44**, 59-65, 2006.
- Patterson J.K.E., Terazaki M. and Yamaguchi M. : The impact of Tsunami in coastal areas: Coastal protection and disaster prevention measures-Experiences from Japanese coasts. *Coastal Marine Science*, **30**, 414-424, 2006.
- Saito H., Ota T., Suzuki K., Nishioka J. and Tsuda A. : Role of heterotrophic dinoflagellate *Gyrodinium* sp. in the fate of an iron-enrichment induced diatom bloom. 33, L09602. 10.1029/2005GL025366, *Geophysical Research Letter*, 2006.
- Saito H., Tsuda A., Nojiri Y., Nishioka J., Takeda S., Kiyosawa H., Kudo I., Noiri Y., Ono T., Taira Y., Suzuki K., Yoshimura T. and Boyd P.W. : Nutrients and phytoplankton dynamics during the stationary and declining phases of a phytoplankton bloom induced by iron-enrichment in the eastern subarctic Pacific. *Deep-Sea Research Part II*, **53**, 2168-2181, 2006.
- Shibata A., Ohwada K., Tsuchiya K. and Kogure K. : Application of silkworm larva assay to determination of peptidoglycan in natural seawater. *Journal of Oceanography*, **62**, 91-97, 2006.
- Suzuki Y., Kojima S., Sasaki T., Suzuki M., Utsumi T., Watanabe H., Urakawa H., Tsuchida S., Nunoura T., Hirayama H., Takai K., Neelson K.H. and K. Horikoshi : Host-symbiont relationships in hydrothermal vent gastropods of the genus *Alviniconcha* from the South West Pacific. *Applied and Environmental Microbiology*, **72**, 1388-1393, 2006.
- Suzuki Y., Kojima S., Watanabe H., Suzuki M., Tsuchida S., Nunoura T., Hirayama H., Takai K., Neelson K.H. and Horikoshi K. : Single host and symbiont lineages of hydrothermal vent gastropods of the genus *Ifremeria* (Provannidae) : biogeography and evolution. *Marine Ecology Progress Series*, **315**, 167-175, 2006.
- Terazaki M., Iguchi N., Hashizume K., Hirakawa K., Morimoto H. and Kuroda K. : Distribution of chaetognaths in the Japan Sea in the winter of 1997 and in the autumn of 1999. *Coastal Marine Science*, **30**, 432-438, 2006.
- Toda T., Okashita T., Maekawa T., Kee Alfian B.A.A., Kushairi M.R.M., Othman B.H.R. and Terazaki M. : Community structure of coral reefs around Peninsular Malaysia. *Journal of Oceanography*, **63**, 113-123, 2006.
- Tsuda A., Saito H., Nishioka J., Ono T., Noiri Y. and Kudo I. : Mesozooplankton response to iron enrichment during the diatom bloom and bloom decline in SERIES (NE Pacific). *Deep-Sea Research Part II*, **53**, 2281-2296, 2006.
- Urakawa H., Kurata S., Fujiwara T., Kuroiwa D., Maki H., Kawabata S., Hiwatari T., Ando H., Kawai T., Watanabe M., and Kohata K. : Characterization and quantification of ammonia-oxidizing bacteria in eutrophic coastal marine sediments using polyphasic molecular approaches and immunofluorescence staining. *Environmental Microbiology*, **8**, 787-803, 2006.

- Urakawa H., Maki H., Kawabata S., Fujiwara T., Ando H., Kawai T., Hiwatari T., Kohata K., and Watanabe M. : Abundance and population structure of ammonia-oxidizing bacteria that inhabit canal sediments receiving effluents from municipal wastewater treatment plants. *Applied and Environmental Microbiology*, **72**, 6845-6850, 2006.
- Urakawa H. and Ribera I. N. G. : Aquatic environment. *The biology of vibrios*, Thompson F. L., Austin B. and Swings J., ASM press, NewYork, 175-189, 2006.
- Wada M., Kamiya A., Uchiyama N., Yoshizawa S., Kita-Tsukamoto K., Ikejima K., Yu R., Imada C., Karatani H., Mizuno N., Suzuki Y., Nishida M. and Kogure K. : *LuxA* gene of light organ symbionts of the bioluminescent fish *Acropoma japonicum* (Acropomatidae) and *Siphania versicolor* (Apogonidae) forms a lineage closely related to that of *Photobacterium leiognathi* subsp. *mandapamensis*. *FEMS Microbiology*, **260**, 186-192, 2006.
- Wada M., Wu S.S., Tsutsumi H., Kita-Tsukamoto K., Do H.K., Nomura H., Ohwada K. and Kogure K. : Effects of sodium sulfide on burrowing activity of *Capitella* sp. I and bacterial respiratory activity in seawater soft-agar microcosms. *Plankton and Benthos Research*, **1**, 117-122, 2006.
- Wada M., Wu S.S., Tsutsumi H., Kita-Tsukamoto K., Do H.K., Nomura H., Ohwada K. and Kogure K. : Visual assessment of respiring bacterial cells associated with burrow structure of *Capitella* sp. I in seawater soft-agar. *Plankton and Benthos Research*, **1**, 54-58, 2006.
- Wada M., Wu S.S., Kogure K. and Tsutsumi H. : Short-term impact of biological activities of a burrowing polychaete. *Capitella* sp. I. on bacterial abundance and the chemical characteristics in organically enriched sediment. *Benthos Research*, **60**, 59-66, 2006.
- Watanabe H., Kado R., Kaida M., Tsuchida S. and Kojima S. : Dispersal of vent-barnacle (genus *Neoverruca*) in the Western Pacific. *Cahiers de Biologie Marine*, **47**, 353-357, 2006.
- Yoshida A., Nomura H., Toyoda K., Nishino T., Seo Y., Yamada M., Nishimura M., Wada M., Okamoto K., Shibata A., Takada H., Kogure K. and Ohwada K. : Microbial responses using denaturing gradient gel electrophoresis to oil and chemical dispersant in enclosed ecosystems. *Marine Pollution Bulletin*, **52**, 89-95, 2006.
- 市川忠史・瀬川恭平・寺崎 誠 : VPR II を用いた親潮域および黒潮・親潮移行域中表層におけるクラゲ類、クシクラゲ類の現存量および鉛直分布特性. 水産海洋研究, **74**, 240-248, 2006.
- 市川忠史・瀬川恭平・清沢弘志・古沢一思・寺崎 誠 : マクロ動物プランクトンの個体密度把握における VPR II と MOCNESS との比較—クラゲ類、クシクラゲ類に対する VPR II の有効性. 日本プランクトン学会報, **53**, 87-97, 2006.
- 浦川秀敏 : 東京湾の天使と悪魔—硫酸化細菌の生態—. 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会, 東京書籍, 東京, 166-167, 2006.
- 浦川秀敏 : 海の貧酸素水塊がもたらす悲劇. 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会, 東京書籍, 東京, 168-169, 2006.
- 木暮一啓 : 地球システムの中の海洋と生物群集. 「海洋生物の連鎖—生命は他の生命および環境とどのように連鎖しているか」, 木暮一啓, 東海大学出版会, 神奈川, 1-26, 2006.
- 木暮一啓 : VNC細菌について. 食品衛生学会誌, **47**, J251-J254, 2006.
- 木暮一啓 : 海における小さな巨人—海洋細菌の役割—. 学術の動向, 9月号, 48-53, 2006.
- 木暮一啓 : 海の中の意外なタンパク質と細菌. 化学, **61**, 25-28, 2006.
- 木暮一啓 : 泳ぐのが正解か? 漂うのが正解か?—細菌の活動の謎. 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会編, 東京書籍, 東京, 76-77, 2006.

- 木暮一啓：温暖化が進むと日本でもコレラが増える? 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会編, 東京書籍, 東京, 78-79, 2006.
- 木暮一啓：スプーン1杯に1億個のウイルス. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会編, 東京書籍, 東京, 80-81, 2006.
- 木暮一啓：イースター島の滅亡の歴史が教えてくれたこと. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会編, 東京書籍, 東京, 172-173, 2006.
- 小島茂明：沿岸開発で減る貝と増える貝—干潟の重要性. 「海洋環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会編, 東京書籍, 東京, 60-61, 2006.
- 浜崎恒二：細菌群集の現存量および群集組成. 「海洋生物の連鎖—生命は他の生命および環境とどのように連携しているか」, 木暮一啓, 東海大学出版会, 神奈川, 103-126, 2006.
- 渡部裕美：深海熱水噴出孔に棲む蔓脚類の幼生分散. うみうし通信, **50**, 2-4, 2006.

## Marine Bioscience

- Anderson W.G., Phillans R.D., Hyodo S., Tsukada T., Good J.P., Takai Y., Franklin C.E. and Hazon N. : The effects of freshwater to seawater transfer on circulating levels of angiotensin II, C-type natriuretic peptide and arginine vasotocin in the euryhaline elasmobranch. *Carcharhinus leucas*. *General and Comparative Endocrinology*, **147**, 39-46, 2006.
- Arai T. : Comparison of habitat use during early life stage between ayu *Plecoglossus altivelis* and ice goby *Leucopsarion petersi*. along the Sanriku Coast of Japan, as determined from otolith microchemistry. *Fisheries Science*, **72**, 382-387, 2006.
- Arai T. and Hirata T. : Determination of trace elements in otoliths of chum salmon *Oncorhynchus keta* by laser ablation-ICP-mass spectrometry. *Fisheries Science*, **72**, 977-984, 2006.
- Arai T., Kotake A. and McCarthy T.K. : Habitat use by the European eel *Anguilla anguilla* in Irish waters. *Estuarine, Coastal and Shelf Science*, **67**, 569-578, 2006.
- Arai T., Yang J. and Miyazaki N. : Migration flexibility between freshwater and marine habitats of the pond smelt *Hypomesus nipponensis*. *Journal of Fish Biology*, **68**, 1388-1398, 2006.
- Chen L., Kis B., Hashimoto H., Busija D.W., Takei Y., Yamashita H. and Ueta Y. : Adrenomedullin 2 protects rat cerebral endothelial cells from oxidative damage in vitro. *Brain Research*, **1086**, 42-49, 2006.
- Goto A. and Arai T. : Diverse migratory histories of Japanese *Trachidermus* and *Cottus* species (Cottidae) as inferred from otolith microchemistry. *Journal of Fish Biology*, **68**, 1731-1741, 2006.
- Hashiguchi Y., Kado T., Kimura S. and Tachida H. : Comparative phylogeography of two bitterlings, *Tanakia lanceolata* and *T.limbata* (Teleostei, Cyprinidae) in Kyushu and adjacent districts of western Japan, based on mitochondrial DNA analysis, *Zoological Science*, **23**, 309-322, 2006.
- Hashiguchi Y. and Nishida M. : Evolution and origin of vomeronasal-type odorant receptor gene repertoire in fishes. *BMC Evolutionary Biology*, **6**, 76, 2006.
- Hatase H., Sato K., Yamaguchi M., Takahashi K. and Tsukamoto K. : Individual variation in feeding habitat use by adult female green sea turtles (*Chelonia mydas*) : are they obligately neritic herbivores? *Oecologia*, **149**, 52-64, 2006.
- Hayakawa H., Andoh T. and Watanabe T. : Precursor structure of egg proteins in the coral *Galaxea fascicularis*. *Biochemical and Biophysical Research Communications*, **344**, 173-180, 2006.

- Hyodo S., Kawakoshi A., Bartolo R.C., Takei Y., Toop T. and Donald J.A. : Extremely high conservation in the untranslated region as well as the coding region of CNP mRNAs throughout elasmobranch species. *General and Comparative Endocrinology*, **148**, 181-186, 2006.
- Iguchi K., Konishi M. and Takeshima H. : Early dispersal of ayu during marine stages as inferred from geographic variation in the number of vertebrae. *Fisheries Science*, **72**, 737-741, 2006.
- Inoue K. and Takei Y. : Molecular evolution of the natriuretic peptide system as revealed by comparative genomics. *Comparative Biochemistry and Physiology, D*, **1**, 69-76, 2006.
- Iwata H., Watanabe K., Takeshima H., Iguchi K. and Nishida M. : Isolation and characterization of 49 polymorphic microsatellite loci in the ayu. *Plecoglossus altivelis*. *Molecular Ecology Notes*, **6**, 1076-1079, 2006.
- Johnson T. B., Miller M. J., Tsukamoto K. and Terazaki M. : First record of a leptocephalus larva ingested by a chaetognath. *Coastal Marine Science*, **30**, 469-472, 2006.
- Kaiya. ah., Tsukada. T., Yuge. S., Mondo. H., Kangawa. K., and Takei. Y. : Changes in ghrelin levels in plasma and stomach after transfer of eels from fresh water to seawater. *General and Comparative Endocrinology*, **148**, 375-382, 2006.
- Kawahara R. and Nishida M. : Multiple occurrences of spiggin genes in sticklebacks. *Gene*, **373**, 58-66, 2006.
- Kawakoshi A., Hyodo S., Nozaki M., and Takei Y. : Identification of a single natriuretic peptide (NP) in cyclostomes, lamprey and hagfish: CNP-4 is an ancestral gene of the NP family. *General Comparative and Endocrinology*, **148**, 41-47, 2006.
- Kimura Y., Miller M. J., Minagawa G., Watanabe S., Shinoda A., Aoyama J., Inagaki T. and Tsukamoto K. : Evidence of a local spawning site of marine eels along northeastern Japan, based on the distribution of small leptocephali. *Fisheries Oceanography*, **15**, 183-190, 2006.
- Kitaura J., Nishida M. and Wada K. : The evolution of social behaviour in sentinel crabs (*Macrophthalmus*) : implications from molecular phylogeny. *Biological Journal of the Linnean Society*, **88**, 45-59, 2006.
- Kon T., Nohara M., Nishida M., Sterrer W. and Nishikawa T. : Hidden ancient diversification in the circumtropical lancelet *Asymmetron lucayanum* complex. *Marine Biology*, **149**, 875-883, 2006.
- Konno N., Hyodo S., Matsuda K. and Uchiyama M. : Effect of osmotic stress on expression of a putative facilitative urea transporter in the kidney and urinary bladder of the marine toad, *Bufo marinus*. *Journal of Experimental Biology*, **209**, 1207-1216, 2006.
- Kurihara T., Shikatani M. Nakayama K. and Nishida M. : Proximate mechanisms causing morphological variation in a turban snail among different shores. *Zoological Science*, **23**, 999-1008, 2006.
- Kuroki M., Aoyama J., Miller M. J., Wouthuyzen S., Arai T. and Tsukamoto K. : Contrasting patterns of growth and migration of tropical anguillid leptocephali in the western Pacific and Indonesian Seas. *Marine Ecological Progress Series*, **309**, 233-246, 2006.
- Kuroki M., Aoyama J., Wouthuyzen S., Sumardiharga K. O., Miller M. J., Minagawa G. and Tsukamoto K. : Age and growth of *Anguilla interioris* leptocephali collected in Indonesian waters. *Coastal Marine Science*, **30**, 464-468, 2006.
- Kuroki M., Ma T., Ishida R. and Tsukamoto K. : Migratory history of the wild and released ayu (*Plecoglossus altivelis*) in the Kurobe River, Japan. *Coastal Marine Science*, **30**, 425-431, 2006.

- Mabuchi K., Miya M., Senou H., Suzuki T. and Nishida M. : Complete mitochondrial DNA sequence of the Lake Biwa wild strain of common carp (*Cyprinus carpio* L.): Further evidence for an ancient origin. *Aquaculture*, **257**, 68-77, 2006.
- Mabuchi K., Okuda N. and Nishida M. : Molecular phylogeny and stripe pattern evolution in the cardinalfish genus *Apogon*. *Molecular Phylogenetics and Evolution*, **38**, 90-99, 2006.
- Machida R.J., Miya M.U., Nishida M. and Nishida S. : Molecular phylogeny and evolution of the pelagic copepod genus *Neocalanus*(Crustacea : Copepoda). *Marine Biology*, **148**, 1071-1079, 2006.
- Miller M. J. and Tsukamoto K. : Studies on eels and leptocephali in Southeast Asia : A new research frontier. *Coastal Marine Science*, **30**, 283-292, 2006 .
- Miller M. J., Aoyama J., Mochioka N., Otake T., Castle P. H. J., Minagawa G., Inagaki T. and Tsukamoto K. : Geographic variation in the assemblages of leptocephali in the western South Pacific. *Deep-Sea Research I*, **53**, 776-794, 2006.
- Miller M. J., Wouthuyzen S., Minagawa G., Aoyama J. and Tsukamoto K. : Distribution and ecology of leptocephali of the congrid eel, *Ariosoma scheelei*. around Sulawesi Island, Indonesia. *Marine Biology*, **148**, 1101-1111, 2006.
- Miya M., Saitoh K. Wood R. Nishida M. and Mayden R. L. : New primers for amplifying and sequencing the mitochondrial ND4/ND5 gene region of the Cypriniformes (Actinopterygii : Ostariophysii). *Ichthyological Research*, **53**, 75-81, 2006.
- Nag K., Kato A., Nakada T., Hoshijima K., Mistry A.C., Takei Y., and Hirose S. : Molecular and functional characterization of adrenomedullin receptor in pufferfish. *American Journal of Physiology*, **290**, R467-R478, 2006.
- Nunoura T., Oida H., Toki T., Ashi J., Takai K. and Horikoshi K. : Quantification of *mcrA* by quantitative fluorescent PCR in sediments from methane seep of the Nankai Trough. *FEMS Microbiology Ecology*, **87**, 146-157, 2006.
- Ogoshi M., Inoue K., Naruse K., and Takei Y. : Evolutionary history of the calcitonin gene-related peptide family in vertebrates revealed by comparative genomic analyses. *Peptides*, **27**, 3154-3164, 2006.
- Otake T., Miller M.J., Inagaki T., Minagawa G., Shinoda A., Kimura Y., Sasai S., Oya M., Tsumi S., Suzuki Y., Uchida M. and Tsukamoto K. : Evidence for migration of metamorphosing larvae of *Anguilla japonica* in the Kuroshio. *Coastal Marine Science*, **30**, 453-458, 2006.
- Pedroso F.L., de Jesus-Ayson E.G.T., Cortado H.H., Hyodo S. and Ayson F.G. : Changes in mRNA expression of grouper (*Epinephelus coioides*) growth hormone and insulin-like growth factor I in response to nutritional status. *General and Comparative Endocrinology*, **145**, 237-246, 2006.
- Pillans R.D., Anderson W.G., Good J.P., Hyodo S., Takei Y., Hazon N. and Franklin C.E. : Plasma and erythrocyte solute properties of juvenile bull sharks, *Carcharhinus leucas*. acutely exposed to increasing environmental salinity. *Journal of Experimental Marine Biology and Ecology*, **331**, 145-157, 2006.
- Saitoh K., Sado T., Mayden R. L., Hanzawa N., Nakamura K., Nishida M. and Miya M. : Mitogenomic evolution and interrelationships of the Cypriniformes (Actinopterygii : Ostariophysii) : The first evidence towards 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.

- Sato K., Watanuki Y. and Naito Y. : The minimum air volume kept in diving Adélie Penguins : evidence for regulation of air volume in the respiratory system. *Coastal Marine Science*, **30**, 439-442, 2006.
- Satoh T.P., Miya M., Endo H. and Nishida M. : Round and pointed-head grenadier fishes (Actinopterygii : Gadiformes) represent a single sister-group : Evidence from the complete mitochondrial genome sequences. *Molecular Phylogenetics and Evolution*, **40**, 129-138, 2006.
- Takagi A., Ishikawa S., Nao T., Hort S., Nakatani M., Nishida M. and Kurokura H. : Tandem repeat sequence segments in the control region of bronze featherback, *Notopterus notopterus*, mitochondrial DNA. *Fisheries Science*, **72**, 1319-1321, 2006.
- Takagi A., Ishikawa S., Nao T., Hort S., Nakatani M., Nishida M. and Kurokura H. : Genetic differentiation of the bronze featherback *Notopterus notopterus* between the Mekong River and Tonle Sap Lake populations, inferred from mitochondrial DNA analysis. *Fisheries Science*, **72**, 750-754, 2006.
- Takahashi H., Sakamoto T., Hyodo S., Shepherd B.S., Kaneko T., Grau E.G. : Expression of glucocorticoid receptor in the intestine of euryhaline teleost, the Mozambique tilapia (*Oreochromis mossambicus*) : effect of seawater exposure and cortisol treatment. *Life Sciences*, **78**, 2329-2335, 2006.
- Takei Y., Kawakoshi A., Tsukada T., Yuge S., Ogoshi M., Inoue K., Hyodo S., Bannai H., and Miyano S. : Contribution of comparative fish studies to general endocrinology : Structure and function of osmoregulatory hormones. *Journal Experimental Zoology*, **305A**, 787-798, 2006.
- Takei. Y. : Brain (B-type) natriuretic peptide and C-type natriuretic peptide. *Handbook of Biologically Active Peptides*, A.J.Kastin, Elsevier Press, Amsterdam, 825-832, 2006.
- Takei. Y. : Adrenomedullin 2/Intermedin. *Handbook of Biologically Active Peptides*, A.J.Kastin, Elsevier Press, Amsterdam, 1281-1286, 2006.
- Tanaka H., Kubokawa K. and Morisawa M. : Sperm-derived sperm motility-initiating substance from amphioxus *Branchiostoma belcheri*. *Journal of Experimental zoology*, **305A**, 68-73, 2006.
- Tsuchida K., Lützen J. and Nishida M. : Sympatric three-species infection by *Sacculina* parasites (Cirripedia : Rhizocephala : Sacculinidae) of an intertidal grapsoid crab. *Journal of Crustacean Biology*, **26**, 474-479, 2006 .
- Tsukada T., and Takei Y. : Integrative approach to osmoregulatory action of atrial natriuretic peptide in seawater eels. *General and Comparative Endocrinology*, **147**, 31-38, 2006.
- Tsukamoto K. : Spawning of eels near a seamount. *Nature*, **439**, 929, 2006.
- Ventura A., Kawakoshi A., Inoue K., and Takei Y. : Multiple natriuretic peptides coexist in the most primitive extant ray-finned fish, bichir *Polypterus endlicheri*. *General and Comparative Endocrinology*, **146**, 251-256, 2006.
- Wada M., Kamiya A., Uchiyama N., Yoshizawa S., Kita-Tsukamoto K., Ikejima K., Yu R., Imada C., Karatani H., Mizuno N., Suzuki Y., Nishida M. and Kogure K. : LuxA gene of light organ symbionts of the bioluminescent fish *Acropoma japonicum* (Acropomatidae) and *Siphania versicolor* (Apogonidae) forms a lineage closely related to that of *Photobacterium leiognathi* subsp. *mandapamensis*. *FEMS Microbiology Letters*, **260**, 186-192, 2006.
- Watanabe S., Aoyama J. and Tsukamoto K. : Confirmation of morphological differences between *Anguilla australis australis* and *A. australis schmidtii*. *New Zealand Journal of Marine and Freshwater Research*, **40**, 325-331, 2006.

- Watanabe S., Iida M., Kimura Y., Feunteun E. and Tsukamoto K. : Genetic diversity of *Sicyopterus japonicus* as revealed by mitochondrial DNA sequencing. *Coastal Marine Science*, **30**, 473-479, 2006.
- Watanabe T., Kii S., Tanaka J., Takishita K. and Maruyama T. : cDNA cloning and phylogenetic and expression analyses of actin in symbiotic dinoflagellates (*Symbiodinium* spp.). *Journal of Applied Phycology*, **18**, 219-225, 2006.
- Watanabe T., Persson P., Endo H., Fukuda I., Furukawa K. and Kono M. : Identification of a novel cuticular protein in the kuruma prawn *Penaeus japonicus*. *Fisheries Science*, **72**, 452-454, 2006.
- Watanabe T., Yuyama I. and Yasumura S. : Toxicological effects of biocides on symbiotic and aposymbiotic juveniles of the hermatypic coral *Acropora tenuis*. *Journal of Experimental Marine Biology and Ecology*, **339**, 177-188, 2006 .
- Wong. M.K.S., Takei. Y., and Woo. N.Y.S. : Differential status of the renin angiotensin system in silver seabream *Sparus sarba* in different salinities. *General and Comparative Endocrinology*, **149**, 81-89, 2006.
- Yada T., Kaiya H., Mutoh K., Azuma T., Hyodo S. and Kangawa K. : Ghrelin stimulates phagocytosis and superoxide production in fish leucocytes. *Journal of Endocrinology*, **189**, 57-65, 2006.
- Yamanoue Y., Miya M., Inoue J. G., Matsuura K. and Nishida M. : The mitochondrial genome of spotted green pufferfish *Tetraodon nigroviridis* (Teleostei : Tetraodontiformes) and divergence time estimation among model organisms in fishes. *Genes and Genetic Systems*, **81**, 29-39, 2006 .
- Yamazaki Y., Yokoyama R., Nishida M. and Goto A. : Taxonomy and molecular phylogeny of *Lethenteron* lampreys in eastern Eurasia. *Journal of Fish Biology*, **68**, 251-269, 2006.
- Yuge S., Yamagami S., Inoue K., Suzuki N., and Takei Y. : Identification of two functional guanylin receptors in eel : Multiple hormone-receptor system for osmoregulation in fish intestine and kidney. *General and Comparative Endocrinology*, **149**, 81-89, 2006.
- 青木優和・田中克彦・小松輝久 : ワレカラにとっての流れ藻という生息場所. 月刊海洋, **38**, 816-822, 2006.
- 青山 潤・塚本勝巳 : ウナギの回遊研究と資源問題. 学術月報, **59**, 40-45, 2006.
- 井上広滋・竹井祥郎 : ナトリウム利尿ペプチドの進化. 生体の科学, **57**, 420-421, 2006.
- 上井進也・小松輝久・立川賢一・川井浩史・鯉坂哲朗 : DNAで見た流れ藻に出現するアカモクと固着生活期アカモクの地理的分布の差. 月刊海洋, **38**, 563-569, 2006.
- 大竹二雄 : アユの耳石からわかること. 「別冊つり人」, 三浦修, つり人社, 東京都, **202**, 167-169, 2006.
- 御輿真穂・竹井祥郎 : カルシトニン遺伝子関連ペプチド (CGRP) ファミリーの分子進化. 生体の科学, **57**, 436-438, 2006.
- 窪川かおる : 脊椎動物への進化の生き証人—ナメクジウオ—. 学術の動向, **11**, 36-41, 2006.
- 窪川かおる : 鯨の死骸の中で生きる生物がいた. 「海の環境100の危機」, 東京大学海洋研究所DO-BIS編集委員会編, 東京書籍, 東京, 54-55, 2006.
- 小松輝久・佐川龍之・三上温子 : 干潟生態系における藻場の分布とその役割. 地球環境, **11**, 207-213, 2006.
- 小松輝久・立川賢一・鯉坂哲朗 : 流れ藻研究—総論—. 月刊海洋, **38**, 543-546, 2006.
- 小松輝久・立川賢一・鯉坂哲朗 : 流れ藻研究II—動物との関わり・東シナ海の流れ藻. 月刊海洋, **38**, 757-760, 2006.

- 小松輝久・王 偉定・立川賢一・章 守宇・鯨坂哲朗・上井進也・青木優和・田中克彦・杉本隆成：中国沿岸のアカモクの分布—特に浙江省を中心にして—。月刊海洋, **38**, 795-797, 2006.
- 小松輝久・三上温子・松永大輔・佐川龍之・石田健一・立川健一・鯨坂哲朗・田中克彦・青木優和・杉本隆成：東シナ海における流れ藻の分布。月刊海洋, **38**, 807-810, 2006.
- 佐々木 剛・猿渡敏郎・渡邊精一：岩手県閉伊川における遡河回遊型ワカサギの回遊履歴。日本水産学会誌, **72**, 924-926, 2006.
- 佐藤克文：アザラシの3次元行動解析とカメラロガーの画像データからの餌密度推定] 第36回北洋シンポジウム 海洋生態系における高次捕食者の行動研究のための新技術。水産海洋研究, **70**, 137, 2006.
- 佐藤克文：海の動物を観る：最新のテクノロジーを用いた高次捕食動物の生物学。学術の動向, **11**, 8-13, 2006.
- 佐藤克文：哺乳動物の肺の生理機構。日本医事新報, **4292**, 93-94, 2006.
- 佐藤克文：崩壊する南極の棚氷—ペンギンの受難。「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 36-37, 2006.
- 佐藤克文：流水とペンギンの繁殖個体数の関係。「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 38-39, 2006.
- 佐藤克文：ハイテクを使ったペンギンの潜水活動調査。「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 40-41, 2006.
- 佐藤克文：アザラシの調査で発見された棚氷の裏側の生態系。「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 42-43, 2006.
- 佐藤克文：軍事演習が海棲哺乳類を脅かす? 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 48-49, 2006.
- 佐藤行人：DNA分析から探る魚類の進化史。養殖, **535**, 84-85, 2006.
- 竹井祥郎：サメ・エイの浸透圧調節。4309, 93-94, 日本医事新報, 2006.
- 竹井祥郎：サメの水飲みとホルモン。45, 170-176, 月刊海洋号外, 2006.
- 竹井祥郎・渡辺太郎：レニン—アンジオテンシン系の進化。57, 430-431, 生体の科学, 2006.
- 章 守宇・王 偉定・立川賢一・小松輝久：中国・浙江省枸杞島のガラモ場に出現する魚類 —2005年の調査から—。38, 798-806, 2006
- 塚本勝巳：ウナギ大回遊の謎はどこまで解き明かされたか? 55-62, 学術会報, 2006.
- 塚本勝巳：ウナギの回遊生態はどこまで解明されたか? 76, 657-659, 科学, 2006.
- 塚本勝巳：ウナギの回遊生態は解明されたか? 28, 淡青, 2006.
- 塚本勝巳：ウナギの大回遊—謎はどこまで解き明かされたか? 2, 32-39, Biophilia, 2006.
- 塚本勝巳：ウナギの謎はどこまで解き明かされたか? 海洋生物の回遊現象と研究の最前線。44, 865-869, 化学と生物, 2006.
- 塚本勝巳：ウナギの謎は解き明かされたか? 5, 教育ジャーナル, 2006.
- 塚本勝巳：ウナギの謎は解き明かされたか? 2-3, Ship & Ocean Newsletter, 2006.
- 塚本勝巳：ウナギ回遊生態の解明。72, 350-356, 日本水産学会誌, 2006.

- 塚本勝巳：ウナギ大回遊の謎はどこまで解明されたか? **60**, 4-5, 遺伝, 2006.
- 塚本勝巳：海洋生物の大航海. 学術の動向, **11**, 14-21, 2006.
- 塚本勝巳：水産学の広がりとは未来. 日本水産学会誌, **72**, 1113-1115, 2006.
- 塚本勝巳・青山 潤：ウナギ大回遊の謎はどこまで解けたか? プレインテクノニュース, 34-38, 2006.
- 塚本勝巳：風が吹いたら鰻屋が儲かる?—ウナギの回遊の危機. 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会, 東京書籍, 東京, 18-19, 2006.
- 西田 睦・宮 正樹：ミトコンドリア 全ゲノムデータによる系統解析. 生体の科学, **57**, 392-394, 2006.
- 西田 睦：アジアの海にもシーラカンスが生存していた! 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会, 東京書籍, 東京, 34-35, 2006.
- 西田 睦：生物が地球の海を守った?—地球の環境変動と生物の進化. 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会, 東京書籍, 東京, 152-153, 2006.
- 西田 睦 (監訳)・遠藤圭子 (訳)・ニック・レーン (著)：「生と死の自然史—進化を統べる酸素」, 東海大学出版会, 東京, pp. 576, 2006.
- 兵藤 晋：板鰓類の尿素による体液調節. 月刊海洋, **45**, 162-169, 2006.
- 馬淵浩司・西田 睦：PCR法を用いた琵琶湖産野生型コイのミトコンドリアDNAの簡易識別法. 水産育種, **35**, 19-23, 2006.
- 三上温子・小松輝久・青木優和：流れ藻の寿命. 月刊海洋, **38**, 570-574, 2006.
- 渡辺俊樹：稚サンゴを用いた海洋汚染物質の影響評価. *Endocrine Disrupter News Letter*, **8**, 7, 2006.
- 渡辺俊樹：サンゴが消えるとどうなる?—生態系におけるサンゴの役割. 「海の環境100の危機」, 東京大学海洋研究所, 東京書籍, 東京, 56-57, 2006.
- 渡辺俊樹：温暖化によるサンゴの大量死—サンゴの白化現象. 「海の環境100の危機」, 東京大学海洋研究所, 東京書籍, 東京, 58-59, 2006.
- 渡辺俊樹：サンゴの年輪が語る過去の海洋環境. 「海の環境100の危機」, 東京大学海洋研究所, 東京書籍, 東京, 154-155, 2006.

## Living Marine Resources

- Akasaki T., Saruwatari T., Tomonaga H., Sato S. and Watanabe Y : Identification of imported Chirimen at the genus level by a direct sequencing method using mitochondrial partial 16S rDNA region. *Fisheries Science*, **72**, 686-692, 2006.
- Kawasaki M., Watanabe Y., Shirafuji N., Chimura M., Moku M., Funaki O., Saruwatari T. and Kawamura T. : Larval *Konosirus punctatus* (Clupeidae) in a brackish river mouth on the Pacific coast of central Japan. *Journal of Fish Biology*, **68**, 1362-1375, 2006.
- Kimura S. and Tsukamoto K. : Possible spawning of the Japanese eel (*Anguilla japonica*) near a salinity front. *Globec International Newsletter*, **12**, 35-36, 2006.
- Kimura S. and Tsukamoto K. : The salinity front in the North Equatorial Current: A landmark for the spawning migration of the Japanese eel (*Anguilla japonica*) related to the stock recruitment. *Deep-Sea Research II*, **53**, 315-325, 2006.
- Kitagawa T. and Kimura S. : An alternative heat budget model relevant to heat transfer in fishes and its practical use for detecting their physiological thermoregulation. *Zoological Science*, **23**, 1065-1071, 2006.

- Kitagawa T., Kimura S., Nakata H., and Yamada H. : Thermal adaptation of Pacific bluefin tuna *Thunnus orientalis* to temperate waters. *Fisheries Science*, **72**, 149-156, 2006.
- Kitagawa T., Sartimbul A., Nakata H., Kimura S. and Yamada H. : The effect of water temperature on habitat use of young Pacific bluefin tuna. *Thunnus orientalis*. in the East China Sea. *Fisheries Science*, **72**, 1166-1176, 2006.
- Lecchini D., Polti S., Nakamura Y., Mosconi P., Tsuchiya M., Romoissant G., lanes S. : New perspectives on aquarium fish trade. *Fish. Sci.* **72**, 40-47, 2006.
- Lecchini D., Nakamura Y., Grignon J., Tsuchiya M.: Evidence of density independent mortality in a settling coral reef damselfish *Chromis viridis*. *Ichthyol. Res.* **53**, 298-300, 2006.
- Nakamura Y., Terashima H., Chettanand S., Sato N., Ida H. : Preliminary survey and diet analysis of seagrass bed fishes at Mauritius, western Indian Ocean. *Galaxia, JCRS* **8**, 61-69, 2006.
- Nakamura Y., Horinouchi M, Shibuno T., Kawasaki H., Sano M. : A comparison of seagrass-fish assemblage structures in open oceanic and coastal bay areas in the Ryukyu Islands, Japan. *Proc. 10th Int. Coral Reef Symp.* 446-452, 2006.
- Osafune S. and Yasuda I. : Bidecadal variability in the intermediate waters of the northwestern subarctic Pacific and the Okhotsk Sea in relation to 18.6-year period nodal tidal cycle. *Journal of Geophysical Research*, **111**, C05007, 2006.
- Saruwatari T., Hirakawa N., Motegi M., Ohno A.,Masaoka T. and Cho N. : Life history of Tomomehikari, *Chlorophthalmus acutifrons*, inferred from molecular data. *DNA Polymorphism*, **14**, 215-221, 2006.
- Saruwatari T. and Sakai T. : Microstructure of parasitic Ceratioid anglerfish sperm observed using freeze substitution fixation method. *Proceedings of the 16th International Microscopy Congress, Biological Sciences* **1**, 6, 2006.
- Takami H., Fukazawa H. and Kawamura T. : Delayed metamorphosis by larval abalone in the field. *Bulletin of Fisheries Research Agency*, Supplement 5, 97-117, 2006.
- Takami H., Oshino A., Sasaki R., Fukazawa H. and Kawamura T. : Age determination and estimation of larval period in field caught abalone (*Haliotis discus hannai* Ino 1953) larvae and newly metamorphosed post-larvae by counts of radular teeth rows. *Journal of Experimental Marine Biology and Ecology*, **328**, 289-301, 2006.
- Tokinaga H., Tanimoto T., Nonaka I., Taguchi B., Fukamachi T., Xie S.-P., Nakamura H.,WatanabeT. and Yasuda I. : Atmospheric sounding over the winter Kuroshio Extension: Effect of surface stability on atmospheric boundary layer structure. *Geophysical Research Letters*, **33**, L04703 , 2006.
- Yasuda I., Osafune S. and Tatebe H. : Possible explanation linking 18.6-year period nodal tidal cycle with bi-decadal variations of ocean and climate in the North Pacific. *Geophysical Research Letters*, **33**, L08606, 2006.
- 安田一郎：海洋における水塊形成・輸送に関する数値的研究。平成17年度東京大学気候システム研究センター共同研究報告書, 77-102, 2006.
- 安田一郎・建部洋晶・長船哲史・能登正幸：動物プランクトン群集組成の長期変動データに基づく海洋生態系の気候変動応答過程の解明に関する研究(2)北西太平洋における気候・海洋環境変動に関する研究。環境省地球環境研究総合推進費終了研究成果報告書, 23-50, 2006.
- 大竹二雄：海域におけるアユ仔稚魚の生態特性の解明。水産総合研究センター研究報告, 別冊5号, 179-185, 2006.

- 河村知彦：アワビの海洋牧場—岩礁生態系の牛? 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 62-63, 2006.
- 河村知彦：アワビの値段はなぜ高い?—放流事業の検証. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 66-67, 2006.
- 河村知彦：海の砂漠化?—磯焼けのメカニズム. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 132-133, 2006.
- 河村知彦・鬼塚年弘：アワビの産卵は風まかせ?—台風とアワビの不思議な関係. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 64-65, 2006.
- 北川貴士：バイオロギングによるクロマグロの行動生態研究の現状. 「テレメトリー—水生動物の行動と漁具の運動解析—」, 山本勝太郎, 山根 猛, 光永靖編, 恒星社厚生閣, 45-55, 2006.
- 北川貴士：ホッキョクグマと地球温暖化—激減する北極の氷. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 22-23, 2006.
- 北川貴士：海面上昇をもたらすもの—地球温暖化と海面上昇. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 106-107, 2006.
- 北川貴士：椰子の実ではなくゴミが漂着する—漂着 ゴミの問題. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 108-109, 2006.
- 木村伸吾：エルニーニョ現象による海流の変化と魚資源への影響. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 90-91, 2006.
- 木村伸吾：黒潮の蛇行でサンゴが絶滅?. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 94-95, 2006.
- 木村伸吾：エルニーニョ現象と台風の関係. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 100-101, 2006.
- 木村伸吾：海洋投棄-海洋資源を守るために求められるモラル. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 110-111, 2006.
- 木村伸吾：海が先か? 大気が先か? エルニーニョ現象のしくみ. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会, 東京書籍, 東京, 160-161, 2006.
- 佐々木 剛・猿渡敏郎・渡邊精一：岩手県閉伊川における遡河回遊型ワカサギの回遊履歴. 日本水産学会誌 **72** (5), 924-926, 2006.
- 白木原国雄：低水準期にあるマイワシの管理-IV 十分な産卵親魚量の確保を意図したYPR管理. 月刊海洋, **38**, 298-303, 2006.
- 白木原国雄：身近な海に暮らすスナメリの未来は明るい? 「海の環境100の危機」, 東京大学海洋研究所 DOBIS編集委員会編, 東京書籍, 東京, 50-51, 2006.
- 富山 実・小松輝久：水温が伊勢湾産イカナゴ初期生活史の成長と加入資源量に与える影響. 水産海洋研究, **70**, 114-121, 2006.
- 平松一彦：国際漁業委員会におけるVPAおよび関連手法について. 水産資源管理談話会報, **37**, 14-33, 2006.
- 平松一彦：資源評価会議から見たABCルールの問題点と改善方向. 月刊海洋, **38**, 271-275, 2006.
- 平松一彦：水産資源・増殖. 「水産大百科事典」, 水産総合研究センター, 朝倉書店, 東京, 393-396, 405-406, 423-424, 2006.

平野保男・猿渡敏郎：南極の冬を生き抜く知恵—南極魚類ダルマノの巨大浮性卵。「東海大学自然科学叢書2 魚類環境生態学入門 溪流から深海まで、魚と棲みかのインターアクション」, 猿渡敏郎, 東海大学出版会, 秦野, 198-222, 2006.

渡邊良朗：スーパーにイワシがいなくなる? 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会, 東京書籍, 東京, 16-17, 2006.

渡邊良朗：温暖化でサンマが小さくなる? 「海の環境100の危機」, 東京大学海洋研究所DOBIS編集委員会, 東京書籍, 東京, 88-89, 2006.

## Multiple Field Marine Science 複合領域

Eyers L., Smoot J.C., Smoot L.M., Bugli C., Urakawa H., McMurry Z., Siripong S., El-Fantroussi S., Lambert P., Agathos S.N. and Stahl D.A. : Discrimination of shifts in a soil microbial community associated with TNT-contamination using a functional ANOVA of 16S rRNA hybridized to oligonucleotide microarrays. *Environmental Science and Technology*, **40**, 5867-5873, 2006.

Harino H., Midorikawa S., Arai T., Ohji M., Cu N.D. and Miyazaki N. : Concentrations of booster biocides in sediment and calms from Vietnam. *Journal of the Marine Biological Association of the United Kingdom*, **86**, 1163-1170, 2006.

Harino H., Ohji M., Wattayakorn G., Rungsupa S., Arai T. and Miyazaki N. : Occurrence of antifouling biocides in sediment and green mussel from Thailand. *Archives of Environmental Contamination and Toxicology*, **51**, 400-407, 2006.

Hasumoto H. Imazu T., Miura T. and Kogere K. : Use of optical oxygen sensor to measure dissolved oxygen in seawater. *Journal of Oceanography*, **62** No.1, 99-103, 2006.

Kume M., Kuwahara T., Arai T., Okamoto Y. and Goto A. : A part of the Japan Sea form of threespine stickleback, *Gasterosteus aculeatus*, spawns in the seawater tidal pools of western Hokkaido Island, Japan. *Environmental Biology of Fishes*, **77**, 169-175, 2006.

Michida Y., Hasumoto H. and Suzuki T. : Archaeology and rescue for marine plankton data collected by universities in Japan. *Techno-Ocean 2006/19th JASNAOE Ocean Engineering Symposium*, P44, 2006.

Miyazaki N. and Tsukamoto K. : The proceedings of the 2<sup>nd</sup> Seminar of JSPS Multilateral Core University Program on "Coastal Oceanography". Special Issue of Coastal Marine Science, Vol. 30(1). pp. 406, 2006.

Nomaki H., Heinz P., Nakatsuka T., Shimura M., Ohkouch N., Ogawa N O., Kogure K., Ikemoto E. and Kitazato H. : Different ingestion patterns of 13C-labeled bacteria and algae by deep-sea benthic foraminifera. *Marine Ecology Progress Series*, **310**, 95-108, 2006.

Ohji M., Arai T. and Miyazaki N. : Differences of tributyltin accumulation in the masu salmon *Oncorhynchus masou* between sea-run and freshwater-resident type. *Journal of Fish Biology*, **68**, 931-939, 2006.

Ohishi K., Maruyama T., Ninomiya A., Kida H., Zenitani R., Bando T., Fujise Y., Nakamatsu K., Miyazaki N. and Boltunov A. N. : Serologic investigation of influenza A virus infection in cetaceans from the western North Pacific and the southern Oceans. *Marine Mammal Science*, **22**(1), 207-220, 2006.

Ohji M., Arai T. and Miyazaki N. : Transfer of tributyltin from parental female to offspring in the viviparous surfperch *Ditrema temminck*. *Marine Ecology Progress Series*, **307**, 307-310, 2006.

- Ohji M., Harino H. and Arai T. : Differences in organotin accumulation among ecological migratory types of the Japanese eel *Anguilla japonica*. *Estuarine, Coastal and Shelf Science*, **69**, 270-290, 2006.
- Oka M., Arai T., Shibata Y. and Miyazaki N. : Reproductive transfer of organochlorines in viviparous surfperch. *Ditrema temmincki*. *Environmental Pollution*, **142**(2), 383-387, 2006.
- Ramu K., Kajiwara N., Mochizuki H., Miyasaka H., Asante K.A., Takahashi S., Ota S., Yeh H.-M., Nishida S. and Tanabe S. : Occurrence of organochlorine pesticides, polychlorinated biphenyls and polybrominated diphenyl ethers in deep-sea fishes from the Sulu Sea. *Marine Pollution Bulletin*, **52**, 1827-1832, 2006.
- Sakai H., Iwata H., Kim, E.-Y., Tsydenova O., Miyazaki N., Petrov E.V., Bates V. B., Tanabe S. : Constitutive androstane receptor (CAR) as a potential sensing biomarker of persistent organic pollutants (POPs) in aquatic mammal : molecular characterization, expression level, and ligand profiling in Baikal seal (*Pusa sibirica*). *Toxicological Sciences*, **94**(1) : 57-70, 2006.
- Sano Y., Takahata N. and Seno T. : Geographical distribution of <sup>3</sup>He/<sup>4</sup>He ratios in the Chugoku district, southwestern Japan. *Pure and Applied Geophysics*, **163**, 745-757, 2006.
- Sano Y., Takahata N., Tsutsumi Y. and Miyamoto T. : Ion microprobe U-Pb dating of monazite with about five micrometer spatial resolution. *Geochemical Journal*, **40**, 597-608, 2006.
- Torisawa S., Miyashita K., Kawabe R., Fujimori Y., Oshima T., Honda S. and Sato K. : A technique for calculating bearing and tilt angles of walleye pollock photographed in trawls with digital still-picture loggers. *Fisheries Research*, **77**, 4-9, 2006.
- Watanabe Y., Baranov EA, Sato K. Naito Y. Miyazaki N : Body density affects stroke patterns in Baikal seals. *The Journal of Experimental Biology*, **209**, 3269-3280, 2006.
- Watanabe Y., Bornemann H., Liebsch N., Plotz J., Sato K., Naito Y. and Miyazaki N. : Seal-mounted cameras detect invertebrate fauna on the underside of an Antarctic ice shelf. *Marine Ecology Progress Series*, **309**, 297-300, 2006.
- Watanuki Y., Wanless S., Harris M., Lovvorn J.R., Miyazaki M., Tanaka H. and Sato K. : Swim speed and stroke patterns in wing-propelled divers : a comparison among alcid and a penguin. *Journal of Experimental Biology*, **209**, 1217-1230, 2006.
- Yang J., Arai T. and Miyazaki N. : Environmental signature in otolith elemental fingerprint of tapertail anchovy, *Coilia mystus* from the Changjiang estuary. *Journal of Applied Ichthyology*, **22**, 459-462, 2006.
- Yang J., Arai T., Liu H., Miyazaki N. and Tsukamoto K. : Reconstructing habitat use of *Coilia mystus*, *Coilia ectenes* of the Yangtze River estuary, and of *Coilia ectenes* of Taihu Lake. based on otolith strontium and calcium. *Journal of Fish Biology*, **69**, 1120-1135, 2006.
- Yang J. and Miyazaki N. : Transplacental transfer of butyltins to fetus of Dall's porpoises (*Phocoenoides dalli*). *Chemosphere*, **63**, 716-721, 2006.
- Yang J., Miyazaki N. Kunito T. and Tanabe S. : Trace elements and butyltins in a Dall's porpoise (*Phocoenoides dalli*) from the Sanriku coast of Japan. *Chemosphere*, **63**, 449-457, 2006.
- 一瀬 諭・若林徹哉・岡本高弘・藤原直樹・井上健・加賀爪敏明・宮島利宏 : 琵琶湖深層部における微生物由来マンガン酸化物構造体 *Metallogenium sp.* の発生. 用水と廃水, **48**, 439-447, 2006.
- 浦川秀敏 : 海の伝染病—海洋生物からのメッセージ—. 「海の環境100の危機」, 東京大学海洋研究所 DOBIS 編集委員会, 東京書籍, 東京, 82-83, 2006.

- 浦川秀敏：東京湾を修復しよう。「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，170-171，2006.
- 後藤和久・片岡香子・藤原 治・白井正明・七山 太：堆積物から紐解く自然災害. 月刊地球，**28**，505-506，2006.
- 猿渡敏郎：携帯型GPSのフィールド調査への応用—高精度の採集調査を行なうために—。「東海大学自然科学叢書 2 魚類環境生態学入門 溪流から深海まで、魚と棲みかのインターアクション」，猿渡敏郎，東海大学出版会，秦野，103-110，2006.
- 猿渡敏郎：汽水性魚類。「陸水の事典」，日本陸水学会，講談社，東京，195，2006.
- 猿渡敏郎：「東海大学自然科学叢書 2 魚類環境生態学入門 溪流から深海まで、魚と棲みかのインターアクション」，猿渡敏郎，東海大学出版会，秦野，xi+318，2006.
- 猿渡敏郎・小藤一弥・田中宏典・金高卓二・齋藤伸輔：魚類の生息環境としての汽水湖—茨城県涸沼を例に—。「東海大学自然科学叢書 2 魚類環境生態学入門 溪流から深海まで、魚と棲みかのインターアクション」，猿渡敏郎，東海大学出版会，秦野，74-102，2006.
- 西田周平：深海に暮らす生物の悲鳴—汚染物質による深海生物の危機。「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，116-117，2006.
- 藤尾伸三：「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，142-143，158-159，2006.
- 宮崎信之：理科年表，「環境」，丸善株式会社，東京，191-193，2006.
- 宮崎信之・青木一郎編：「海の利用と保全—野生生物との共存を目指して—」，宮崎信之・青木一郎編，サイエンティスト社，東京，298pp，2006.
- 宮崎信之：アザラシもインフルエンザウイルスに感染していた! 「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，84-85，2006.
- 宮崎信之：広がる海洋汚染の脅威。「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，118-119，2006.
- 宮崎信之：ワレカラが語る海洋汚染。「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，120-121，2006.
- 宮崎信之：複合汚染の恐怖。「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，122-123，2006.
- 宮崎信之：海洋生物の大量死を引き起こす有害化学物質。「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，124-125，2006.
- 宮崎信之：イルカの母乳が危ない! 「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，126-127，2006.
- 宮崎信之：インドネシアでも水俣病が起きている? 「海の環境100の危機」，東京大学海洋研究所DOBIS編集委員会，東京書籍，東京，128-129，2006.
- 宮崎信之：有害化学物質による海洋汚染と生物影響—I 有機スズ化合物，日本水産資源保護協会 491：3-7，2006.
- 宮島利宏：「好塩性細菌」他5項目。「陸水の事典」，日本陸水学会，講談社サイエンティフィック，東京，2006.