

**List of Papers by the staff of the Graduate School of Biosphere Science,
Hiroshima University, published during January 2012 to March, 2013**

広島大学大学院生物圏科学研究科教員業績目録

(2012年1月－2013年3月)

Animal Science Division 動物生産学講座

Ahmed, M.F., **Nishibori, M.**, Islam, M. A., 2012. Production and price of indigenous naked neck and full feathered chicken reared under rural scavenging system in Bangladesh. *J. Agricult. Ext. Rural Develop.* **44**: 92-97.

Islam, M.A., **Nishibori, M.**, 2012. Phylogenetic analysis of native chicken from Bangladesh and neighboring Asian countries based on complete sequence of mitochondrial DNA D-loop region. *J. Poult. Sci.* **49**: 237-243.

西堀正英・澤田裕紀子・庭田 悟・下桐 猛・安江 博 . 2012 . DigiTag2 法を用いたブタ SNPs 解析システムの構築とその分子系統解析への応用 . *DNA 多型* . **20** : 17-20 .

Maeda, T., Ooeiki, T., **Bungo, T.**, **Tsudzuki, M.**, 2012. Conservation studies of endangered fowl sperm: cryopreservation of Onagadori semen and the development of a new freezing method. *Proc. 15th AAAP Anim. Sci. Cong.* Thailand: pp. 3405-3408.

Taniguchi, S., **Maeda, T.**, 2012. Effects of calcium supplementation in drinking water on the physiology and reproduction in mice. *Proc. 15th AAAP Anim. Sci. Cong.* Thailand: pp. 3140-3143.

Fukumori, R., Mita, T., **Sugino, T.**, Hasegawa, Y., Kojima, M., Kangawa, K.,
Sci. **95**: 2585-2594.

J. Dairy

Laarman, A.H., **Sugino, T.**, Oba, M., 2012. Effects of starch content of calf starter on growth and rumen pH in Holstein calves during the weaning transition. *J. Dairy Sci.* **95**: 4478-4487.

Suzuki, M., Nozawa, A., Ueda, K., **Bungo, T**

., Terao, H., Asahina, K., 2012. Secretory patterns of catecholamines in Indo-Pacific bottlenose dolphins. *Gen. Comp. Endocrinol.* **177**: 76-81.

Abdelsalam, M., **Isobe, N.**, **Yoshimura, Y.**, 2012. Effects of lipopolysaccharide and interleukins on the expression of avian β -defensins in hen ovarian follicular tissue. *Poult. Sci.* **91**: 2877-2884.

Ariyadi, B., **Isobe, N.**, **Yoshimura, Y.**, 2012. Differences in the mucosal surface barrier formed by mucin in the lower oviductal segments between laying and molting hens. *Poult. Sci.* **91**: 1173-1178.

Ariyadi, B., **Isobe, N.**, **Yoshimura, Y.**,

Tw 08(.)-20(Q)-20(.)-20(.)-20()-103(M)-20(o)-20(r)-20(i)-20(m)-20(o)-20(t)-20(o)-20(.)-20()-103(K)-20(.)

Immunol. Immunopathol. **145**: 499-504.

- Isobe, N.**, Shimomura, E., **Yoshimura, Y.**, 2012. Increase of innate immune factor in milk of dairy cows during estrous stage. *Proc. 15th AAAP Anim. Sci. Cong.* Thailand: pp. 364-366.
- Morimoto, K., Kanda, N., Shinde, S., **Isobe, N.**, 2012. Effect of enterotoxigenic *Escherichia coli* vaccine on innate immune function of bovine mammary gland infused with lipopolysaccharide. *J. Dairy Sci.* **95**: 5067-5074.
- Sonoda, Y., **Isobe, N.**, **Yoshimura, Y.**, 2012. Induction of proinflammatory cytokines and avian β -defensins by CpG-oligo DNA in hen oviduct. *Proc. 15th AAAP Anim. Sci. Cong.* Thailand: pp. 320-322.
- Yoshimura, Y.**, Abdelsalam, M., Subedi, K., **Isobe, N.**, 2012. Host defense system mediated by avian β -defensins, antimicrobial peptides, in hen ovary. *Proc. 15th AAAP Anim. Sci. Cong.* Thailand: pp. 327-330.
- Zhang, M., Nii, T., **Isobe, N.**, **Yoshimura, Y.**, 2012. Expression of Toll-like receptors and effects of lipopolysaccharide on the expression of 4 proinflammatory cytokines and chemokine in the testis and epididymis of roosters. *Poult. Sci.* **91**: 1997-2003.

Aquatic Biology Division 水圏生物生産学講座

- Barros, B., **Sakai, Y.**, Hashimoto, H., Gushima, K., Vallinoto, M., 2012. 'Better off alone than in bad company': agonistic colour display in mimetic juveniles of two ephippid species. *J. Fish Biol.* **81**: 1032-1042.
- Miyake, Y., Nishigakiuchi, J., **Sakai, Y.**, **Kuniyoshi, H.**, 2012. Ovarian degeneration during 1 the female-to-male sex change in the protogynous hermaphroditic fish, *Halichoeres poecilopterus*. *Ichthyol. Res.* **59**: 276-281.
- Miyake, Y., **Sakai, Y.**, **Kuniyoshi, H.**, 2012. Molecular cloning and expression profile of sex-specific genes, *Figla* and *Dmrt1*, in the protogynous hermaphroditic fish, *Halichoeres poecilopterus*. *Zool. Sci.* **29**: 690-701.
- Tomiyama, T.**, 2012. Seasonal and ontogenetic diet shift in juvenile stone loounder *Platichthys bicoloratus*. *J. Fish Biol.* **81**: 1430-1435.
- 張 成年・丹羽健太郎・岡本俊治・村内嘉樹・平井 玲・日比野 学・涌井邦浩・富山 毅・小林 豊・鳥羽光晴・狩野泰則．2012．カイヤドリウミグモ *Nymphonella tapetis* 地域集団の遺伝的分化と分類学的位置．*日本水産学会誌*．**78**：895-902．
- Gorie, S., **Nagasawa, K.**, 2012. Migration of whitespotted conger (*Conger myriaster*) leptocephali in the Harima Nada Sea, eastern Seto Inland Sea, Japan. *Aquaculture Sci.* **60**: 73-80.
- Gorie, S., **Nagasawa, K.**, 2012. Biological aspects of large whitespotted conger (*Conger myriaster*) in the Akashi Strait, eastern Seto Inland Sea, Japan. *Aquaculture Sci.* **60**: 341-348.
- Katahira, H., Mizuno, K., **Umino, T.**, **Nagasawa, K.**, 2012. Influence of host habitat on the occurrence of gill monogeneans *Pseudodactylogyru*s spp. on wild Japanese eels *Anguilla japonica*. *Dis. Aquat. Org.* **100**: 43-49.
- Lefebvre, F., Wirelgoss, S., **Nagasawa, K.**, Moravec, F., 2012. On the origin of *Anguillicoloides crassus*, the invasive nematode of anguillid eels. *Aquat. Invas.* **7**: 443-453.
- Maneepitaksanti, W., **Nagasawa, K.**, 2012. *Actinocleidus fergusonii* (Monogenea: Ancyrocephalidae), a gill parasite of bluegill (*Lepomis macrochirus*), new to Japan. *Biogeography* **14**: 93-97.
- Maneepitaksanti, W., **Nagasawa, K.**, 2012. Monogeneans of *Cichlidogyru*s Paperna, 1960 (Dactylogyridae), gill parasites of tilapias, from Okinawa Prefecture, Japan. *Biogeography* **14**: 111-119.
- Maneepitaksanti, W., **Nagasawa, K.**, 2012. First record of the fish parasite *Transversotrema patialense* (Trematoda: Digenea: Transversotrematidae) from Japan. *Biogeography* **14**: 121-125.
- Moravec, F., **Nagasawa, K.**, Nohara, K., 2012. Two species of philometrid nematodes (Philometridae) from marine fishes off Japan, including *Philometroides branchiostegi* sp. n. from *Branchiostegus*

- japonicus* (Malacanthidae). *Folia Parasitol.* **59**: 71-78.
- Nagasawa, K.**, 2012. The biology of *Contracaecum osculatum* sensu lato and *C. osculatum* A (Nematoda: Anisakidae) in Japanese waters: a review. *Biosphere Sci.* **51**: 61-69.
- Nagasawa, K.**, Doi, H., 2012. The spot n burr sh (*Chilomycterus reticulatus*), a new host record for *Cymothoa pulchra* (Isopoda, Cymothoidae). *Crustaceana* **85**: 893-896.
- Nagasawa, K.**, Inoue, A., 2012. Variations in the infection level of *Neoergasilus japonicus* (Copepoda: Ergasilidae) between freshwater fishes at different sites in the Ashida River system, western Japan. *Zoosymposia* **8**: 81-96.
- Nagasawa, K.**, Nishiuchi, S., 2012. Prevalence of skin pseudotumors in starry flounder (*Platichthys stellatus*) and pleuronectid hybrids in a brackish-water lake, Hokkaido, Japan. *Biosphere Sci.* **51**: 9-14.
- Nagasawa, K.**, Senou, H., 2012. Third record of *Dinemoleus indeprensus* (Copepoda: Pandaridae) from the megamouth shark, *Megachasma pelagios*. *Biogeography* **14**: 147-149.
- Nagasawa, K.**, Shimadzu, N., Ikeda, Y., 2012. Four new host records for the fish leech *Zeylanicobdella arugamensis* (Hirudinida: Piscicolidae), with an updated host list (1963-2012). *Biogeography* **14**: 143-146.
- Nagasawa, K.**, Tanaka, M., 2012. *Limnotrachelobdella sinensis* (Hirudinida: Piscicolidae) parasitic on Japanese crucian carp (*Carassius cuvieri*) in game-fishing ponds in central Japan. *Biogeography* **14**: 99-104.
- Nagasawa, K.**, Uyeno, D., 2012. Utilization of alien freshwater fishes by the parasitic copepod *Neoergasilus japonicus* (Ergasilidae) on Okinawa-jima Island, Japan, with a list of its known hosts. *Zoosymposia* **8**: 106-116.
- Nagasawa, K.**, Uyeno, D., 2012. Geographical distribution affected by the Kuroshio of the fish parasite *Cymothoa pulchra* (Isopoda: Cymothoidae). *Biogeography* **14**: 151-153.
- Okawachi, H., Uyeno, D., Ogino, K., **Nagasawa, K.**, 2012. Redescription of *Peniculus minuticaudae* Shiino, 1956 (Copepoda: Pennellidae) from aquarium-held marine fishes in Japan, with notes on its occurrence and life cycle in captivity. *Zoosymposia* **8**: 56-68.
- Sakaoka, K., Yoshii, M., Okamoto, H., Sakai, F., **Nagasawa, K.**, 2012. Mate selection based on genetic relatedness of loggerhead turtles in captivity. *Chelonian Conserv. Biol.* **11**: 214-222.
- Tang, D., Yasuda, A., Yamada, S., **Nagasawa, K.**, 2012. A new species of *Pseudomacrochiron* (Crustacea: Copepoda: Macrochironidae) associated with scyphistomae of the moon jelly fish *Aurelia* sp. (Cnidaria: Scyphozoa) off Japan. *Syst. Parasitol.* **81**: 125-134.
- Tang, D., Benz, G. W., **Nagasawa, K.**, 2012. Description of the male of *Prosaetes rhinodontis* (Wright, 1876) (Crustacea, Copepoda, Siphonostomatoida), with a proposal to synonymize Cecropidae Dana, 1849 and Amaterasidae Izawa, 2008 with Pandaridae Milne Edwards, 1840. *Zoosymposia*. **8**: 7-19.
- Uyeno, D., **Nagasawa, K.**, 2012. *Ttetaloia hoshinoi*, a new genus and species of chondracanthid copepod (Poecilostomatoida) parasitic on tripplefishes (Actinopterygii: Tripterygiidae) from Japanese waters. *Zoosymposia* **8**: 39-48.
- Uyeno, D., **Nagasawa, K.**, 2012. Two new species of the copepod *Hatschekia* Poche, 1902 (Siphonostomatoida: Hatschekiidae) from angel fishes (Pisces: Tetraodontiformes: Pomacanthidae) collected during the KUMEJIMA 2009 Expedition. *Zootaxa* **3367**: 49-59.
- Uyeno, D., **Nagasawa, K.**, 2012. New species of the copepod genus *Anthessius* Della Valle, 1880 (Poecilostomatoida: Anthessiidae) from *Turbo marimoratus* L. (Gastropoda: Tubinidae) collected during the KUMEJIMA 2009 Expedition. *Zootaxa* **3367**: 60-68.
- Uyeno, D., **Nagasawa, K.**, 2012. Four new species of splanchnotrophid copepods (Poecilostomatoida) parasitic on doridacean nudibranchs (Gastropoda, Opisthobranchia) from Japan, with proposition of one

- new genus. *ZooKeys* **247**: 1-29.
- Uyeno, D., Wakabayashi, K., **Nagasawa, K.**, 2012. A new species of parasitic copepod, *Sarcotretes umitakae* n. sp. (Siphonostomatoida, Pennellidae), on the rattail (Actinopterygii: Macrouridae) from the East China Sea, Japan. *ZooKeys*. **246**: 1-10.
- Yamauchi, T., **Nagasawa, K.**, 2012. Redescription of the sh parasite *Nerocila japonica* Shioedte & Meinert, 1881 (Crustacea: Isopoda: Cymothoidae), with discussion on the previous records of *Nerocila acuminata* in Japan. *Syst. Parasitol.* **81**: 147-157.
- 長澤和也 . 2012 . 日本産アサリの寄生物目録 (1906-2012年) . *日本生物地理学会会報* . **67** : 25-40 .
- 長澤和也 . 2012 . サメ類に寄生するカイアシ類 , ハナガタムシ . *板鰐類研究会報* . **48** : 16-20 .
- 長澤和也 . 2012 . 魚病 NOW . プリのパラブラキエラ症 . *養殖ビジネス* . **49** : 26 .
- 長澤和也 . 2012 . 魚病 NOW . ゲンゴロウブナのミズヒダビル症 . *養殖ビジネス* . **49** : 26 .
- 長澤和也・新田理人 . 2012 . 広島県産淡水・汽水魚類の寄生虫目録 (1925-2012年) . *広島大学総合博物館研究報告* . **4** : 53-71 .
- 長澤和也・森本静子・朝井俊巨・北川哲郎・細谷和海 . 2012 . 日本産メダカの寄生虫目録 (1929-2012年) と野生メダカにおけるイカリムシの新採集記録 . *日本生物地理学会会報* . **67** : 1-13 .
- 長澤和也・村瀬拓也・柳 宗悦・前野幸二 . 2012 . 九州初記録の魚類寄生虫チヨウとコイ科魚類における重度寄生例 . *生物圏科学* . **51** : 15-20 .
- 長澤和也・上野大輔 . 2012 . 日本産魚類に寄生するツツウオジラミ科 , エラノミ科 (新称) Hatschekiidae およびニセエラノミ科 (新称) Pseudohatschekiidae カイアシ類の目録 (1916-2012年) . *生物圏科学* . **51** : 37-59 .
- Blanco Gonzalez, E., **Umino, T.**, 2012. Managing the genetic resources in the intensive stock enhancement program carried out on black sea bream in Hiroshima Bay, Japan. In " Analysis of genetic variation in animals ". Ed. Mahmut Çaliskan, INTEC, Croatia: pp. 217-230.
- Takagi, M., Tsuji, H., **Umino, T.**, Shimizu, T., 2012. Pedigree trace of microsatellite DNA markers in hatchery produced devil stinger *Inimicus japonicus*. *Fish Gen. Breed. Sci.* **41**: 75-79.
- 海野徹也 . 2012 . 釣魚 , クロダイの素顔 . *Toba Super Aquarium*. **61** : 14-15 .
- Yoshida, M.**, Kondo, H., 2012. Fear conditioning-related changes in cerebellar Purkinje cell activities in gold sh. *Behav. Brain Funct.* **8**: 52.
- 吉田将之 . 2012 . キンギョの飼育法 . 「研究者が教える動物飼育 第3巻」(日本比較生理生化学会編) 共立出版 , 東京 : pp. 55-61 .
- 吉田将之 . 2012 . エンゼルフィッシュの飼育法 . 「研究者が教える動物飼育 第3巻」(日本比較生理生化学会編) 共立出版 , 東京 : pp. 64-70 .
- Hassan, E.S., Mahmoud, M.M., Kawato, Y., Nagai, T., Kawaguchi, O., Iida, Y., Yuasa, K., **Nakai, T.**, 2012. Subclinical *Edwardsiella ictaluri* infection of wild ayu *Plecoglossus altivelis*. *Fish Pathol.* **47**: 64-73.
- Kawato, Y., **Nakai, T.**, 2012. In filtration of bacteriophages from intestinal tract to circulatory system in gold sh. *Fish Pathol.* **47**: 1-6.
- 黒田 丹・中井敏博 . 2012 . 海産魚のウイルス性神経壊死症のワクチン開発 . *日生研たより* . **58** : 54-64 .
- Fujikawa, Y.**, Fujikawa, R., **Iijima, N.**, **Esaka, M.**, 2012. Characterization of secretory phospholipase A2 with phospholipase A1 activity in tobacco, *Nicotiana tabacum* (L.). *Lipids* **47**: 303-312.
- Fujikawa, Y.**, Shimokawa, M., Satoh, F., Satoh, O., Yoshioka, D., Aida, S., **Uematsu, K.**, **Iijima, N.**, 2013 Ontogeny of gene expression of group IB phospholipase A2 isoforms in the red sea bream, *Pagrus (Chrysophrys) major*. *Comp. Biochem. Physiol.* **161A**: 185-192.
- Kuniyoshi, H.**, Okumura, I., Kuroda, R., Tsujita, N., Arakawa, K., **Shoji, J.**, Saito, T., Osada, H., 2012. Indomethacin induction of metamorphosis from the asexual stage to sexual stage in the moon jelly sh, *Aurelia aurita*. *Biosci. Biotech. Biochem.* **76**: 1397-1400.
- Miyake, Y., Nishigakiuchi, J., **Sakai, Y.**, **Kuniyoshi, H.**, 2012. Ovarian degeneration during the female-to-male

sex change in the protogynous hermaphroditic fish, *Halichoeres poecilopterus*. *Ichthyol. Res.* **59**: 276-281.

Miyake, Y., Sakai, Y., Kuniyoshi, H., 2012. Molecular cloning and expression profile of sex-specific genes, *Figla* and *Dmrt1*, in the protogynous hermaphroditic fish, *Halichoeres poecilopterus*. *Zool. Sci.* **29**: 690-701.

Food and Resource Economics Division 食料資源経済学講座

Chouichom, S., Yamao, M., 2012. Organic rice farming in Northeastern Thailand: An assessment of farmers practices. *J. Philippine Sci.* **49**: 44-67.

Imran, Z., Yamao, M., 2012. Toward strengthening social resilience: A case study on recovery of capture fisheries after Asia's tsunami in Aceh, Indonesia. *World Acad. Sci. Engin. Technol.* **69**: 817-827.

Laoubi, K., Yamao, M., 2012. The challenge of agriculture in Algeria: Are policies effective? *農業水産経済研究* . **12**: 65-73.

Yamao, M., 2012. Diversification of livelihood strategy toward sustainable development of fishing community in Southeast Asia. *Proc. ASEAN-SEAFDEC Conf. Sustainable Fisheries for Food Security Towards 2020*. **2**: 247-254.

Yee Lin, W., Yamao, M., 2012. Enhancing food security by cooperation among ASEAN countries: A review for achieving better food availability in the region. *農業水産経済研究* . **12**: 75-84.

Zamroni, A., Yamao, M., 2012. An assessment of farm-to-market link of Indonesian dried seaweeds: Contribution of middlemen toward sustainable livelihood of small-scale fishermen in Laikang Bay. *Afr. J. Agricul. Res.* **7**: 4198-4208.

Zamroni, A., Yamao, M., 2012. People empowerment in livelihood activities toward sustainable coastal resource management in Indonesia. *Int. J. Sci. Engin. Technol.* **69**: 1273-1278.

山尾政博 . 2012 . 東アジア水産物貿易の潮流—日本の貿易戦略の検討のために— . *水産振興* . **530** : 1-63 .

山尾政博 . 2012 . 水産業・漁村の復興と地域資源の持続的利用 . *水産海洋研究* . **76** : 169-172 .

山尾政博 . 2012 . 変わりゆくタイの魚食事情 . *食文化誌 vesta(ヴェスタ)* . No. 88 : 15-17 .

山尾政博・天野道子 . 2012 . 日本水産業の構造問題と発展戦略 . *農業水産経済研究* . **12** : 1-15 .

細野賢治・岩崎真之介 . 2012 . 卸売業者の集荷行動における地産地消の位置づけ—福岡県を事例として— . *農業水産経済研究* . **12** : 33-54 .

細野賢治・八島雄士・李 只香・ダイヤモンド ドラモンド . 2012 . 中山間地域における農業条件の不利性と地域戦略との関係—広島県世羅町と安芸太田町を事例として— . *九州共立大学総合研究所紀要* . **5** : 11-18 .

岩崎真之介・細野賢治・白武義治・山尾政博 . 2012 . 川下主導再編下における多品目出荷型野菜産地のマーケティング戦略—福岡県みい農協および北野町 K 集落を事例として— . *食農資源経済論集* . **63** : 11-23 .

太田ひかり・細野賢治・山尾政博 . 2012 . 都市近郊野菜産地における多様な出荷チャネルと農家の経営戦略との関係—広島市白木町を事例として— . *農業市場研究* . **82** : 37-43 .

王 丹陵・矢野 泉 . 2012 . 中国内陸都市近郊における商業的農業の展開と「食糧省長責任制」の課題—重慶直轄市の T 県を事例として— . *農業市場研究* . **20** : 53-59 .

王 丹陵・矢野 泉 . 2012 . 「農業構造調整政策」下における伝統的商品作物産地の変容と課題—中国重慶直轄市 F 区 Z 鎮, N 鎮を事例として— . *農業市場研究* . **21** : 55-61 .

戴容秦思・矢野 泉 . 2012 . 中国昆明市における生乳の市場構造に関する一考察 . *農業市場研究* . **20** : 45-52 .

高橋祐哉・矢野 泉 . 2012 . 家庭における農業理解教育の役割 . *農業市場研究* . **21** : 48-54 .

矢野 泉 . 2012 . 顔の見える食品リサイクル・ループのススメ . *月刊廃棄物* . 日報ビジネス株式会社 : p. 1 .

矢野 泉・天野通子・王 丹陵・太田ひかり・小林和美 . 2012 . 瀬戸内海沿岸地域における水産物の消費傾向
—広島都市圏における消費者アンケート調査を中心に— . *農業水産経済研究* . **12** : 33-43 .

Field Sciences in Setouchi Areas Division 瀬戸内圏フィールド科学教育研究センター

- Huys, R., Fatih, F., **Ohtsuka, S.**, Llewellyn-Hughes, J., 2012. Evolution of the bomolochiform superfamily complex (Copepoda: Cyclopida): new insights from ssrDNA and morphology, and origin of umazuracolids from polychaete-infesting ancestors rejected. *Int. J. Parasitol.* **42**: 71-92.
- Kaji, T., Venmathi Maran, B. A., Kondoh, Y., **Ohtsuka, S.**, Boxshall, G. A., Tsukagoshi, A., 2012. The lunule of caligid copepods: an evolutionary novel structure. *Evol. Dev.* **14**: 465-475.
- Mantiri, R. O. S. E., **Ohtsuka, S.**, Sawamoto, S., 2012. Fisheries of *Mesopodopsis* (Mysida: Mysidae) and *Acetes* (Decapoda: Sergestidae) in Indonesia. *Kuroshio Sci.* **5**: 137-146.
- Ohtsuka, S.**, Boxshall, G. A., Srinui, K., 2012. A new species of *Paramacrochiron* (Copepoda: Cyclopoida: Macrochironidae) associated with the rhizostome medusa *Rhopilema hispidum* collected from the Gulf of Thailand, with a phylogenetic analysis of the family Macrochironidae. *Zool. Sci.* **29**: 127-133.
- Ohtsuka, S.**, Shimomura, M., Kitazawa, K., 2012. A new species of *Enterognathus* (Copepoda, Cyclopoida, Enterognathidae) collected from the Seto Inland Sea, western Japan. *ZooKeys* **180**: 1-8.
- Okawachi, H., **Ohtsuka, S.**, Ismail, N. B., Venmathi Maran, B. A., Ogawa, K., 2012. Seasonal occurrence and microhabitat of the hyperparasitic monogenean *Udonella fugu* on the caligid copepod *Pseudocaligus fugu* infecting the grass puffer Takifugu niphobles in the Seto Inland Sea, Japan. *Ocean Sci.* **47**: 181-187.
- Shimomura, M., **Ohtsuka, S.**, Hashimoto, J., 2012. New distribution and host record of a penaeid ectoparasitic isopod, *Minicopenaeon intermedium intermedium* Bourdon, 1891 (Crustacea: Bopyridae). *Bull. Kitakyushu Mus. Nat. Hist. Hum. Hist., Ser. A.* **10**: 1-8.
- Urata, M., Iwasaki, S., **Ohtsuka, S.**, 2012. Biology of the swimming acorn worm *Glandiceps hacksii* from the Seto Inland Sea of Japan. *Zool. Sci.* **29**: 305-310.
- Venmathi Maran, B. A., **Ohtsuka, S.**, Jitchum, P., 2012. Occurrence of caligid copepods (Crustacea) in plankton samples collected from Japan and Thailand, with the description of a new species. *Spec. Div.* **17**: 87-95.
- Venmathi Maran, B. A., **Ohtsuka, S.**, Shang, X., 2012. Records of adult caligiform copepods (Crustacea: Copepoda: Siphonostomatoida) in marine plankton from East Asia, including descriptions of two new species of *Caligus* (Caligidae). *Spec. Div.* **17**: 201-219.
- 広瀬雅人・大塚 攻・近藤裕介・平林丈嗣・富川 光・清水則雄 . 2012 . 瀬戸内海中央部で発見された腕足類2種について . *広島大学総合博物館研究報告* . **4** : 43-48.
- 大塚 攻 (編著) . 2012 . その他無脊椎動物 . 「広島県の絶滅のおそれのある野生生物(第3版)」(レッドデータブックひろしま改訂検討委員会編) 広島県 , 広島 : pp. 261-277.
- Abbott, I. A., Riosmena-Rodríguez, R., **Kato, A.**, Squair, C. A. B., Michael, T. S., Smith, C. M., 2012. *Hawaiian Crustose Coralline Algae - A survey of common species-*. Hawaii Botanical Science Paper Number 47. Department of Botany, University of Hawaii at Manoa: p. 58.
- Faria, D. G., **Kato, A.**, Suda, S., 2012. *Nephroselmis excentrica* sp. nov. (Nephroselmidophyceae, Chlorophyta) from Okinawa-jima, Japan. *Phycologia.* **51**: 271-282.
- Inoue, M., Shinmen, K., Kawahata, H., Nakamura, T., Tanaka, Y., **Kato, A.**, Shinzato, C., Iguchi, A., Kan, H., Suzuki, A., Sakai, K., 2012. Estimate of calcification responses to thermal and freshening stresses based on culture experiments with symbiotic and aposymbiotic primary polyps of a coral, *Acropora digitifera*. *Global Planet. Change.* **92-93**: 1-7.

Molecular and Applied Biosciences 分子生命開発学講座

- Shimoji, K., Jakovljevic, J., Tsuchihashi, K., Umeki, Y., Wan, K., Kawasaki, S., Talkish, J., Woolford, J.L., Jr., **Mizuta, K.**, 2012. Ebp2 and Brx1 function cooperatively in 60S ribosomal subunit assembly in *Saccharomyces cerevisiae*. *Nucleic Acids Res.* **40**: 4574-4588.
- Wan, K., Tsuchihashi, K., Kanda, K., Shimoji, K., **Mizuta, K.**, 2013. N -Acetyltransferase NatA is involved in ribosome synthesis in *Saccharomyces cerevisiae*. *Biosci. Biotechnol. Biochem.* **77**: 631-638.
- Kamagata, K., Kawaguchi, T., Iwahashi, Y., Baba, A., Fujimoto, K., Komatsuzaki, T., **Sambongi, Y.**, Goto, Y., Takahashi, S., 2012. Long-term observation of fluorescence of free single molecules to explore protein-folding energy landscapes. *J. Am. Chem. Soc.* **134**: 11525-11532.
- Sato, Y., Kanbe, H., Miyano, H., **Sambongi, Y.**, Arai, H., Ishii, M., Igarashi, Y., 2012. Transcriptome analyses for metabolic enzymes in thiosulfate- and hydrogen-grown *Hydrogenobacter thermophilus* cells. *Biosci. Biotech. Biochem.* **76**: 1677-1681.
- 若井 暁・政成美沙・渡邊朋子・三本木至宏 . 2012 . 石油貯蔵タンクの微生物群集解析 . 検査技術 . **17** : 1-5.
- Kajiwara, K., Muneoka, T., Watanabe, Y., Karashima, T., Kitagaki, H., **Funato, K.**, 2012. Perturbation of sphingolipid metabolism induces endoplasmic reticulum stress-mediated mitochondrial apoptosis in budding yeast. *Mol. Microbiol.* **86**: 1246-1261.
- Eltelib, H. A., **Fujikawa, Y.**, **Esaka, M.**, 2012. Overexpression of the acerola (*Malpighia glabra*) monodehydroascorbate reductase gene in transgenic tobacco plants results in increased ascorbate levels and enhanced tolerance to salt stress. *S. Afr. J. Bot.* **78**: 295-301.
- Sakamoto, S., **Fujikawa, Y.**, Tanaka, N., **Esaka, M.**, 2012. Molecular cloning and characterization of L-galactose-1-phosphate phosphatase from tobacco (*Nicotiana tabacum*). *Biosci. Biotechnol. Biochem.* **76**: 1155-1162.
- Fujikawa, Y.**, Fujikawa, R., **Iijima, N.**, **Esaka, M.**, 2012. Characterization of secretory phospholipase A₂ with phospholipase A₁ activity in tobacco, *Nicotiana tabacum* (L.). *Lipids* **47**: 303-312.
- Fujikawa, Y.**, Shimokawa, M., Satoh, F., Satoh, O., Yoshioka, D., Aida, S., Uematsu, K., Iijima, N., 2012. Ontogeny of gene expression of group IB phospholipase A2 isoforms in the red sea bream, *Pagrus (Chrysophrys) major*. *Comp. Biochem. Physiol. A: Mol. Integr. Physiol.* **161**: 185-192.
- Araki, Y., Hamafuji, T., Noguchi, C., **Shimizu, N.**, 2012. Efficient recombinant production in mammalian cells using a novel IR/MAR gene amplification method. *PLoS ONE*, **7**: e41787.
- Noguchi, C., Araki, Y., Miki, D., **Shimizu, N.**, 2012. Fusion of the Dhfr/Mtx and IR/MAR gene amplification methods produces a rapid and efficient method for stable recombinant protein production. *PLoS ONE*, **7**: e52990.
- Inoue, T., Kikunaga, R., Yamada, Y., **Ohta, S.**, Kawachi, H., 2012. Investigation for antidiabetic agonists from *Wisteria foribunda* seeds. *Trace Nutrients Research* **29**: 36-40.
- Aoki, N., Yamamoto, K., Ogawa, T., Ohta, E., Ikeuchi, T., Kamemura, K., Ikegami, S., **Ohta, S.**, 2013. Bromotheoynic acid, a brominated acetylenic acid from the marine sponge *Theonella swinhoei*. *Natural Product Research* **27**: 117-122.
- Honda, K.**, Minematsu, H., Muta, K., **Ômura, H.**,

- Ômura, H.**, Watanabe, M., **Honda, K.**, 2012 Cuticular hydrocarbon profiles of *Lycaeides subsolanus* larvae and their attendant ants. *Lepid. Sci.* **63**: 186-190.
- 大村 尚 . 2012 . チョウの食物選択をつかさどる香気成分 . *香料* . **255** : 73-82.

Food Science and Biofunctions 食資源科学講座

- Praseptianga, D., **Hirayama, M.**, and **Hori, K.**, 2012. Purification, characterization, and cDNA cloning of a novel lectin from the green alga, *Codium barbatum*. *Biosci. Biotechnol. Biochem.* **76**: 805-811.
- 堀 貫治 . 2012 . 医薬関連物質としてのレクチン . 藻類ハンドブック (渡邊 信監修). エヌ・ティー・エス (NTS), 東京 : pp. 688-694.
- Asakawa, M.**, Shida, Y., 2012. " Instrumental Analysis of Tetrodotoxin ", *Chromatography* (ed. by Dr. Leonardo de Azevedo Calderon), In Tech, Croatia: pp. 245-270.
- 浅川 学 . 2012 . コイの喫食による特異的食中毒について . *Food & Food Ingredients Journal of Japan* **217**: 304-309.
- Kobayashi, S., Nagai, T., Konishi, Y., **Tanabe, S.**, Morimoto, K., Ogihara, T., 2012. Transport mechanisms of flavanone aglycones across Caco-2 cell monolayers and artificial PAMPA membranes. *J. Pharm. Pharmacol.* **64**: 52-60.
- Kobayashi, S., Katsuyama, S., Wagatsuma, T., Okada, S., **Tanabe, S.**, 2012. Identification of a new IgE-binding epitope of peanut oleosin that cross-reacts with buckwheat. *Biosci. Biotechnol. Biochem.* **76**: 1182-1188.
- Kouguchi, T., Ito, A., Iwai, K., Shimizu, M., Takahata, Y., **Suzuki, T.**, Morimatsu, F., **Tanabe, S.**, 2012. Chicken collagen hydrolysate-derived peptides inhibit tumor necrosis factor- α -induced inflammatory response in endothelial cells. 2012. *Food Sci. Technol. Res.* **18**: 667-671.
- Miyauchi, E., Morita, M., Rossi, M., Morita, H., **Suzuki, T.**, **Tanabe, S.**, 2012. Effect of D-alanine in teichoic acid from the *Streptococcus thermophilus* cell wall on the barrier-protection of intestinal epithelial cells. *Biosci. Biotechnol. Biochem.* **76**: 283-288.
- Miyauchi, E., O'Callaghan, J., Buttó, L.F., Hurley, G., Melgar, S., **Tanabe, S.**, Shanahan, F., Nally, K., O'Toole P.W., 2012. *Am. J. Physiol. Gastrointest. Liver Physiol.* **303**: G1029-1041.
- Miyauchi, E., Toh, H., Nakano, A., **Tanabe, S.**, Morita, H., 2012. Comparative Genomic Analysis of *Lactococcus garvieae* Strains Isolated from Different Sources Reveals Candidate Virulence Genes. *Int. J. Microbiol.* **2012**: e728276.
- Odamaki, T., Sugahara, H., Yonezawa, S., Yaeshima, T., Iwatsuki, K., **Tanabe, S.**, Tominaga, T., Togashi, H., Benno, Y., Xiao, J.Z., 2012. Effect of the oral intake of yogurt containing *Bifidobacterium longum* BB536 on the cell numbers of enterotoxigenic *Bacteroides fragilis* in microbiota. *Anaerobe* **18**: 14-18.
- Tanabe, S.**, 2012. Short peptide modules for enhancing intestinal barrier function. *Curr. Pharm. Des.* **18**: 776-781.
- Kato, N.**, 2012. Role of vitamin B6 in skin health and diseases. In: " Handbook of Diet, Nutrition and the skin " Preedy VR, ed. Wageningen Academic Publishers, Netherlands: pp. 59-69.
- Masisi, K., Suidasari, S., Zhang, P., Okazaki, Y., **Yanaka, N.**, **Kato N.**, 2012. Comparative study on the responses of concentrations of B-vitamins in several tissues of mice to the dietary level of pyridoxine. *J. Nutr. Sci. Vitaminol.* **58**: 446-451.
- Okazaki, Y., Utama, Z., Suidasari, S., Zhang, P., **Yanaka, N.**, Tomotake, H., Sakaguchi, E., **Kato, N.**, 2012. Consumption of vitamin B₆ reduces fecal ratio of lithocholic acid to deoxycholic acid, a risk factor for colon cancer, in rats fed a high-fat diet. *J. Nutr. Sci. Vitaminol.* **58**: 366-370.
- Toya, K., Hirata, A., Ohata, T., Sanada, Y., **Kato, N.**, **Yanaka, N.**, 2012. Regulation of colon gene expression by

- vitamin B6 supplementation. *Mol. Nutr. Food Res.* **56**: 641-652.
- 加藤範久 . 2012 . 消化管で作用する疾病予防成分に関する栄養学的研究 (総説 : 平成24年度日本栄養・食糧学会学会賞受賞) . *日本栄養・食糧学会誌* . **65** : 253-260.
- 中野宏幸・村上札奈・潘小軍 . 2012 . ハードルテクノロジーを利用した食中毒細菌の効率的制御法 . *乳酸菌研究会に関する報告書* . **23** : 11-12.
- Ahmed, A. M., **Shimamoto, T.**, 2012. Genetic analysis of multiple antimicrobial resistance in *Salmonella* isolated from diseased broilers in Egypt. *Microbiol. Immunol.* **56**: 254-261.
- Hammed, A. M., Watanabe, W., Fujii, T., **Shimamoto, T.**, 2012. Occurrence and characteristics of methicillin-resistant and -susceptible *Staphylococcus aureus* and methicillin-resistant coagulase-negative staphylococci from Japanese retail ready-to-eat raw fish. *Int. J. Food Microbiol.* **156**: 286-289.
- Kawai, K.**, Fukami, K., Yamamoto, K., 2012. Effect of temperature on gelatinization and retrogradation in high hydrostatic pressure treatment of potato starch-water mixtures. *Carbohydr. Polym.* **87**: 314-321.
- Kawai, K.**, **Hagura, Y.**, 2012. Discontinuous and heterogeneous glass transition behavior of carbohydrate polymer-plasticizer systems. *Carbohydr. Polym.* **89**: 836-841.
- Kawai, K.**, Kawai, H., Tomoda, Y., Matsusaki, K., **Hagura, Y.**, 2012. Effect of pre-dehydration treatment on the *in vitro* digestibility of starch in cookie. *Food Chem.* **135**: 1527-1532.
- Kawai, K.**, Takato, S., Sasaki, T., Kajiwara, K., 2012. Complex formation, thermal properties, and *in vitro* digestibility of gelatinized starch-fatty acid mixtures. *Food Hydrocolloids* **27**: 228-234.
- 干野隆芳・川井清司・羽倉義雄 . 2013 . 高粘度ニュートン流体の連続粘度測定を目的としたショートバックエクストルージョン法の提案 . *日本食品科学工学会誌* . **60** : 100-109.
- 井口 亮・川井清司・羽倉義雄 . 2012 . ヨーグルトに分散した気泡が誘電特性に及ぼす影響 . *日本食品工学会誌* . **13** : 13-20.
- 川井清司・藤 翠・坂井佑輔・羽倉義雄 . 2012 . 昇温レオロジー測定によるクッキーのガラス転移挙動に関する研究 . *日本食品工学会誌* . **13** : 109-115.
- Koyama, K., Ikeda, H., Poudel, P. J., **Goto-Yamamoto, N.**, 2012. Light quality affects flavonoid biosynthesis in young berries of Cabernet Sauvignon grape. *Phytochemistry* **78**: 54-64.
- Okuda, M., Joyo, M., Tokuoka, M., Hashiguchi, T., **Goto-Yamamoto, N.**, Yamaoka, H., Shimoi, H., 2012. The transfer of stable ¹³³Cs from rice to Japanese sake. *J. Biosci. Bioeng.* **114**: 600-606.
- 後藤奈美 . 2012 . ブドウのゲノム情報から何ができるか？－海外の取り組みの紹介－ . *Techno Innovation* **21** : 21-26 .
- 後藤奈美 . 2012 . 赤ワインの渋味－ブドウ栽培と醸造の影響－ . *醸協* . **107** : 210-216.
- 後藤奈美 . 2012 . 米とブドウ：酒造原料の特性 . *香料* . **255** : 41-48.
- Kanai, M., Masuda, M., Takaoka, Y., Ikeda, H., **Masaki, K.**, **Fujii, T.**, Iefuji, H., 2012. Adenosine kinase-deficient mutant of *Saccharomyces cerevisiae* accumulates S-adenosylmethionine because of an enhanced methionine biosynthesis pathway. *Appl. Microbiol. Biotechnol.* **97**: 1183-1190.
- Masaki, K.**, Tsuchioka, H., Hirano, T., Kato, M., Ikeda, H., Iefuji, H., 2012. Construction of a new recombinant protein expression system in the basidiomycetous yeast *Cryptococcus* sp. strain S-2, and enhancement of the production of a cutinase-like enzyme., *Appl. Microbiol. Biotechnol.* **93**: 1627-1636.
- Mizutani, O., **Masaki, K.**, Gomi, K., Iefuji, H., 2012. Modified Cre-loxP recombination in *Aspergillus oryzae* by direct introduction of Cre recombinase for marker gene rescue., *Appl. Environ. Microbiol.* **78**: 4126-4133.
- Nakajima-Kambe, T., Edwinoliver, N. G., Maeda, H., Thirunavukarasu, K., Gowthaman, M. K., **Masaki, K.**, Mahalingam, S., Kamini, N. R., 2012. Purification, cloning and expression of an *Aspergillus niger* lipase for degradation of poly (lactic acid) and poly (ε-caprolactone)., *Polym. Degrad. Stab.* **97**: 139-144.

- Oguri, E., **Masaki, K.**, Naganuma, T., Iefuji, H., 2012. Phylogenetic and biochemical characterization of the oil-producing yeast *Lipomyces starkeyi.*, *Antonie van Leeuwenhoek* **101**: 359-368.
- Sakamoto, F., Nankawa, T., Ohnuki, T., **Fugii, T.**, Iefuji, H., 2012. Yeast genes involved in uranium tolerance and uranium accumulation: A functional screening using the nonessential gene deletion collection. *Geomicobiol. J.* **29**: 470-476.
- 磯谷敦子・藤井 力 . 2012 . 清酒の老香成分の解明と制御因子 . *BIO INDUSTRY* 11月号 : pp. 9-15.

Modeling and Management of Environmental Dynamics 環境予測制御論講座

- Fukuta, E., **Sasaki, A.**, **Nakatsubo, T.**, 2012. Microclimate and production of peat moss *Sphagnum palustre* L. in the warm-temperate zone. *Plant Spec. Biol.* **27**: 110-118.
- Sasaki, A.**, Hagimori, Y., Yuasa, I., **Nakatsubo, T.**, 2012. Annual sediment respiration in estuarine sandy intertidal flats in the Seto Inland Sea, Japan. *Landsc. Ecol. Eng.* **8**: 107-114.
- Wang, X., **Nakatsubo, T.**, Nakane K., 2012. Impacts of elevated CO₂ and temperature on soil respiration in warm temperate evergreen *Quercus glauca* stands: an open-top chamber experiment. *Ecol. Res.* **27**: 595-602.
- 山本和司・佐々木晶子・中坪孝之 . 2012 . 瀬戸内海沿岸域における外来植物ランタナ (シチヘンゲ) の野生化 . *保全生態学研究* . **17** : 257-262.
- Chiwa, M., Matsuda, T., Nakatani, N., Kobayashi, T., Kume, A., **Sakugawa, H.**, 2012. Effects of canopy N uptake on foliar CO₂ assimilation rates and biomass production and allocation in Japanese red pine seedlings. *Can. J. For. Res.* **42**: 1-9.
- Chiwa, M., Uemura, T., Otsuki, K., **Sakugawa, H.**, 2012. Characteristics of nitrogenous air pollutants at urban and suburban forested sites, western Japan. *Water, Air, & Soil Pollut.* **223**: 5473-5481.
- Nomi, N.S., Kondo, H., **Sakugawa, H.**, 2012. Photofomation rate of OH radical in atmospheric water extract of aerosol and water-soluble gases collected in Higashi-Hiroshima, Japan. *Geochem. J.* **46**: 21-29.
- Olasehinde, E. F., Ogunsuyi, H. O., Abata, E. O. **Sakugawa, H.**, 2012. Reaction kinetics for nitrosation of DAF-2 in air saturated nitric oxide solution. *Nature and Science* **10**: 129-136.
- Olasehinde, E. F., Ogunsuyi, H. O., **Sakugawa, H.**, 2012. Determination of hydroxyl radical in Seto Inland Sea and its potential to degrade irgarol. *IOSR Journal of Applied Chemistry* **1**: 7-14.
- Sakugawa, H.**, Hasan, N., Oguntimohin, I., Belal, E. J., 2012. Protective and curative effects of foliar-spray Fenton solutions against cucumber (*Cucumis sativus*, L.) powdery mildew. *Environ. Sci. Health, Part A* **47**: 1909-1918.
- Sarangaraja, B., **Takeda, K.**, **Sakugawa, H.**, 2012. Occurrence of Diuron and Irgarol in seawater, sediments and planktons of Seto Inland Sea, Japan. *Geochem. J.* **46**: 169-177.
- 丸本幸治・今井祥子・竹田一彦・佐久川弘 . 2012 . 揮散損失を低減した溶存揮発性水銀捕集用海水サンブローの開発と揮散損失が水銀放出フラックスの見積もりに与える影響 . *分析化学* . **61** : 1063-1072.
- 佐藤高晴・佐久川弘・竹田一彦・近藤宏壮 , 2012 . 街路樹から得られた木質バイオマス中の重金属汚染に対する磁気スクリーニング . *日エネ誌* . **91** : 118-126 .
- 佐藤高晴・佐久川弘・竹田一彦・近藤宏壮 . 2012 . 木質震災瓦礫の重金属汚染に対する磁気スクリーニング . *日エネ誌* . **91** : 1202-1206.
- Asaoka, S., Hayakawa, S., Kim, K. H., **Takeda, K.**, Katayama, M., Yamamoto, T., 2012. Combined adsorption and oxidation mechanisms of hydrogen sulfide on granulated coal ash. *J. Colloid Interface Sci.* **377**: 284-290.
- Balakrishnan, S., **Takeda, K.**, **Sakugawa, H.**, 2012. Occurrence of Diuron and Irgarol in seawater, sediments and planktons of Seto Inland Sea, Japan. *Geochem. J.* **46**: 169-177.

- Kim, K. H., Asaoka, S., Yamamoto, T., Hayakawa, S., **Takeda, K.**, Katayama, M., Onoue, T. 2012. Mechanisms of Hydrogen Sulfide Removal with Steel Making Slag. *Environ. Sci. Technol.* **46**: 10169 - 10174.
- 竹田一彦 . 2012 . 活性酸素の高感度測定法を利用した 線強度の測定－高感度化学線量計への挑戦－ . *Isotope News*. No.695 , 3月号 : 2-5.
- Asaoka, S., **Yamamoto, T.**, Takahashi, Y., Yamamoto, H., Kim, K. H., Orimoto, K., 2012. Development of an on-site simplified determination method for hydrogen sulfide in marine sediment pore water using a shipboard ion electrode with consideration of hydrogen sulfide oxidation rate. *Interdisciplinary Studies on Env. Chem.*: pp. 345-352.
- Asaoka, S., Hayakawa, S., Kim, K. H., **Takeda, K.**, Katayama, M., **Yamamoto, T.**, 2012. Combined adsorption and oxidation mechanisms of hydrogen sulfide on granulated coal ash. *J. Coll. Interface Sci.* **377**: 284-290.
- Kittiwaniich, J., Songsangjinda, P., **Yamamoto, T.**, Fukami, K., Muangyao, P., 2012. Modeling the effect of nitrogen input from feed on the nitrogen dynamics in an enclosed intensive culture pond of black tiger shrimp (*Penaeus monodon*). *Coast. Mar. Sci.* **35**: 39-51.
- Kim, K. H., Asaoka, S., **Yamamoto, T.**, Hayakawa, S., 2012. Adsorption of hydrogen sulfide onto steel making slag. *Proceedings of the 16th Hiroshima International Symposium on Synchrotron Radiation, Higashi-Hiroshima, Japan*: pp. 98-99.
- Kim, K. H., Asaoka, S., **Yamamoto, T.**, Hayakawa, S., 2012. Adsorption of hydrogen sulfide onto steel making slag. *HiSOR Activity Report 2012*: pp. 74-75.
- Kim, K. H., Asaoka, S., **Yamamoto, T.**, Hayakawa, S., **Takeda, K.**, Katayama, M., Onoue, T., 2012. Mechanisms of hydrogen sulfide removal with steel making slag. *Environ. Sci. Technol.* **46**: 10169-10174.
- Yamamoto, T.**, Kondo, S., Kim, K. H., Asaoka, S., Yamamoto, H., Tokuoka, M., Hibino, T., 2012. Remediation of muddy tidal flat sediments using hot air-dried crushed oyster shells. *Mar. Poll. Bull.* **64**: 2428-2434.
- Yamamoto, T.**, Suzuki, M., Kim, K. H., Asaoka, S., 2012. Growth and uptake kinetics for phosphate by the benthic microalgae *Nitzschia* sp. isolated from Hiroshima Bay, Japan. *Phycol. Res.* **60**: 223-228.
- 浅岡 聡・Kyung-Hoi Kim, 山本民次・片山真祥 . 2012 . リサイクル材表面での硫化水素と鉄・マンガンの酸化還元反応の解明 . 立命館大学 SR センター研究成果報告書 : p. 2.
- 林 明夫・浅岡 聡・渡辺哲哉・金子諒子・高橋克則・宮田康人・Kyunghoi Kim・山本民次・井上 亮・有山達郎 . 2012 . 鉄鋼スラグによる海水中の硫化物イオンの低減機構 . *鉄と鋼* . **98** : 624-631.
- 林 明夫・渡辺哲哉・金子諒子・鷹野 明・高橋克則・宮田康人・松尾章子・山本民次・井上 亮・有山達郎 . 2012 . 製鋼スラグによる閉鎖性海域における硫化物イオンの低減 . *鉄と鋼* . **98** : 207-214.
- 川口 修・山本民次 . 2012 . かけ養殖海域の物質循環から見える環境配慮型養殖 . 第4回瀬戸内海水産フォーラム成果集 : pp. 7-8.
- 宮田康人・藪田和哉・林 明夫・山本民次 . 2012 . 広島湾因島に造成した製鋼スラグ潜堤材の生物着生特性の長期評価 . *土木学会論文集 B3 (海洋開発)* , **68** : I564-I569 .
- 中原真哉・平岡喜代典・山本民次・上嶋英機 . 2012 . 石炭灰造粒物の覆砂による底質改善 . *水環境学会誌* . **35** : 159-166.
- 山本民次 . 2012 . 富栄養化・地球と宇宙の化学事典 , 日本地球化学会 (編) . 朝倉書店 , 東京 .
- 山本民次 . 2012 . 海域における Hi ピーズの環境改善メカニズムに関する研究 . 平成 23 年度共同研究報告書 , 中国電力 , エネルギア・エコマテリア : p. 36.
- 山本民次・キムキョンヘ・弘中 諭・尾上高清 . 2012 . 転炉スラグによる海海底質改善メカニズムの解明および底生生物生育環境提供可否 . 平成 23 年度共同研究報告書 , 日新製鋼 : p. 18.

- 山本民次・宮田康人・林 明夫・藪田和哉．2012．製鋼スラグの硫化物湖底効果の実験的検証．平成 23 年度 JFE と広島大学の包括協定に基づく報告書，JFE スチール：p. 23.
- 山本民次・山本裕規・浅岡 聡．2012．太田川－広島湾流域圏．森と海をむすぶ川，京都大学フィールド科学教育研究センター(編)，向井 宏(監修)，京都大学学術出版会，京都：pp. 127-150.
- Sampei, M.**, Sasaki, H., Forest, A., Fortier, L., 2012. A substantial export of particulate organic carbon linked to sinking dead copepods during winter 2007-2008 in the Amundsen Gulf (southeastern Beaufort Sea, Arctic Ocean). *Limnol. Oceanogr.* **57**: 90-96.
- Tremblay, J.-É., Michel, C., Maranger, R., Thomas, H., Deming, J., Cochrane, K., Forest, A., Sallon, A., Nguyen, D., Shadwick, E., Kellogg, C., **Sampei, M.**, Blais, M., 2012. Priming the biological pump: carbon and nutrient fluxes. In "On the edge: From knowledge to action during the fourth International Polar Year Circumpolar Flaw Lead System Study (2007-2008)", Eds. Barber, Tjaden, Leitch, Barber and Chan, Aboriginal Issues Press, Winnipeg: pp. 127-142.
- 福田泰子・細川武志・夏目悠司・二村優次・政岡賢一・立川瑛子・実岡寛文．2012．低フィチンサイズと普通栽培品種エンレイの生育，収量および栄養成分の比較．*日本土壌肥科学雑誌*．**83**：381-388.
- 実岡寛文．2012．芝地の水ストレス耐性を基礎とした芝地の水分管理を考える．*西日本グリーン研究所だより*．**74**：7-15.
- Iguchi, M., Fukushima, F., **Miura, K.**, 2012. Control of *Aphis gossypii* and *Myzus persicae* (Hemiptera: Aphididae) by a lightless strain of *Harmonia axyridis* (Coleoptera: Coccinellidae) on green pepper plants in open fields. *Entomological Science* **15**: 127-132.
- Itou, M., Watanabe, M., Watanabe, E., **Miura, K.**, 2012. Gut content analysis to study predatory efficacy of *Nesidiocoris tenuis* (Reuter) (Hemiptera: Miridae) by molecular methods. *Entomological Science* **16**: 145-150.
- Sumi, T., **Miura, K.**, Miyatake, T., 2013. No seasonal trend in infection rate of *Wolbachia* in the pale grass blue, *Zizeeria maha* (Lepidoptera: Lycaenidae). *Applied Entomology and Zoology* **48**: 35-38.
- Watanabe, M., Kageyama, D., **Miura, K.**, 2013. Transfer of a parthenogenesis-inducing *Wolbachia* endosymbiont derived from *Trichogramma dendrolimi* into *Trichogramma evanescens*. *Journal of Invertebrate Pathology* **112**: 83-87.
- Watanabe, M., Tagami, Y., **Miura, K.**, Kageyama, D., Stouthamer, R., 2012. Distribution patterns of *Wolbachia* endosymbionts in the closely related flower bugs of the genus Orius: Implications for coevolution and horizontal transfer *Microbial Ecology* **64**: 537-545.
- Condon, R. H., Duarte, C. M., Pitt, K. A., Robinson, K. L., Lucas, C. H., Sutherland, K. R., Mianzan, H., Bogeberg, M., Purcell, J. E., Decker, M. B., **Uye, S.**, Madin, L. P., Brodeur, R. D., Haddock, S. H. D., Malej, A., Parry, G. D., Eriksen, E., Quinones, J., Acha, M., Harvey, M., Arthur, J. M., Graham, W. M., 2012. Recurrent jellyfish blooms are a consequence of global oscillations. *Proc. Natl. Acad. Sci.* **110**: 1000-1005.
- Condon, R. H., Graham, W. M., Duarte, C. M., Pitt, K. A., Lucas, C. H., Haddock, S. H. D., Sutherland, K. R., Robinson, K. L., Dawson, M. N., Decker, M. B., Millis, C. E., Purcell, J. E., Malej, A., Mianzan, H., **Uye, S.**, Gelcich, S., Madin, L. P., 2012. Questioning the rise of gelatinous zooplankton in the world's oceans. *BioScience* **62**: 160-169.
- Duarte, C. M., Pitt, K. A., Lucas, C. H., Purcell, J. E., **Uye, S.**, Robinson, K., Brotz, L., Decker, M. B., Sutherland, K. R., Malej, A., Madin, L., Mianzan, H., Gili, J. M., Fuentes, V., Atienza, D., Pages, F., Breitburg, D., Malek, J., Graham, W. M., Condon, R. H., 2012. Is global ocean sprawl a cause of jellyfish blooms? *Front. Ecol. Environ.* **11**: 91-97.
- Makabe, R., Kurihara, T., **Uye, S.**, 2012. Spatio-temporal distribution and seasonal population dynamics of the jellyfish *Aurelia aurita* s. l. studied with Dual-frequency Identification SONar (DIDSON). *J.*

- Plankton Res.* **34**: 936-950.
- Thein, H., Ikeda, H., Uye, S., 2012. The potential role of podocysts in perpetuation of the common jelly sh, *Aurelia aurita* s. l. (Cnidaria: Scyphozoa) in anthropogenically perturbed coastal waters. *Hydrobiologia* **690**: 157-167.
- 上 真一 . 2012 . 可能となったエチゼンクラゲ大発生の早期予報 . *Ship & Ocean Newsletter* No. **295** : 4-5.
- 上 真一 . 2012 . エチゼンクラゲの大発生と越境回遊 . *環境技術* . **41** : 21-26.
- Hikosaka-Katayama, T., Koike, K., Yamashita, H., Hikosaka, A., **Koike, K.**, 2012. Mechanisms of maternal inheritance of dino agellate symbionts in the Acoelomorph worm *Waminoa litus*. *Zool. Sci.* **29**: 559-567.
- Jimbo, M., Suda, Y., **Koike, K.**, Nakamura-Tsuruta, S., Kominami, J., Kamei, M., Hirabayashi, J., Sakai, R., Kamiya, H., 2012. Possible involvement of lycolipids in lectin-mediated cellular transformation of symbiotic microalgae in corals. *J. Exp. Mar. Biol. Ecol.* **249**:129-135.
- Kaga, S., **Koike, K.**, Sekiguchi, K., Natsumi, S., Kobiyama, A., Yamada, Y., Ogata, T., 2012. Auto uorescent bodies in the toxic dinoflagellate *Alexandrium tamarense*: A potential indicator of the physiological condition of the species. *Coastal Marine Science* **35**: 255-261.
- Su-Myat, Maung-Saw-Htoo-Thaw, Matsuoka, K., Khin-Ko-Lay, **Koike, K.**, 2012. Phytoplankton surveys off the southern Myanmar coast of the Andaman Sea: an emphasis on dinoflagellates including potentially harmful species. *Fish. Sci.* **78**: 1091-1106.
- Su-Myat, Yurimoto, T., Hinode ,K., Takata, Y., Azman, B.A., Man, A.B., Kodama, M., **Koike, K.**, Matsuoka, K., 2012. Finding of toxic *Gymnodinium catenatum* Graham and *Alexandrium tamiyavanichii* Balech (Dinophyceae) form Selangor coastal waters, west Peninsular Malaysia. *Malaysian Fisheries Journal.* **11**: 32-41.
- Yamashita, H., **Koike, K.**, 2012. Genetic identity of free-living *Symbiodinium* obtained over a broad latitudinal range in the Japanese coast. *Phycol. Res.* **61**: 68-80.
- Yamashita, H., Suzuki, G., Hayashibara, T., **Koike, K.**, 2012. *Acropora* recruits harbor " rare " *Symbiodinium* in the environmental pool. *Coral Reefs*, DOI 10.1007/s00338-012-0980-2.
- 小池一彦 . 2012 . 共生・進化する植物の世界 第6回 サンゴと褐虫藻の共生系 . 自然と科学の情報誌「ミルシル」 . **5** : 26-29.
- Jadoon, W. A., Nakai, R., **Naganuma, T.**, 2012. Biogeographical note on Antarctic micro orae: Endemism and cosmopolitanism. *Geoscience Frontiers*. (Published online).
- Nakai, R., Abe, T., Baba, T., Imura, S., Kagoshima, H., Kanda, H., Kohara, Y., Koi, A., Niki, H., Yanagihara, K., **Naganuma, T.**, 2012. Eukaryotic phylotypes in aquatic moss pillars inhabiting a freshwater lake in East Antarctica, based on 18S rRNA gene analysis. *Polar Biology* **35**: 1495-1504.
- Nakai, R., Abe, T., Baba, T., Imura, S., Kagoshima, H., Kanda, H., Kohara, Y., Koi, A., Niki, H., Yanagihara, K., **Naganuma, T.**, 2012. Diversity of RuBisCO gene responsible for CO₂ xation in an Antarctic moss pillar. *Polar Biology* **35**: 1641-1650.
- Nakai, R., Shibuya, E., Justel, A., Rico, E., Quesada, A., Kobayashi, F., Iwasaka, Y., Shi, G., Amano, Y., Iwatsuki, T., **Naganuma, T.**, 2013. Phylogeographic analysis of nano bacteria with special reference to *Rhizobiales* strains that occur in cryospheric habitats. *Antarctic Science* **25**: 219-228.
- 木村 淳・長沼 毅 . 2013 . 木星衛星エウロパの生命探査「アストロバイオロジー」(山岸明彦編)化学同人 , 京都 : pp. 222-231 .
- 倉持卓司・厚井晶子・柏原克彦・長沼 毅 . 2012 . 日本産ミドリシャミセンガイとウスバシャミセンガイの分類学的再検討 . *生物圏科学* . **51** : 27-35.
- 倉持卓司・厚井晶子・柏原克彦・Jadoon, W. A.・長沼 毅 . 2012. 瀬戸内海中央部大三島沖より採集されたトゲヒメミョウガガイ *Smilium scorpio* (蔓脚目:ミョウガガイ科) . *生物圏科学* . **51** : 21-26.
- 長沼 毅 . 2013. 「そのうえ うみのそこ」(監修・大橋慶子・絵)ティー・オーエンタテインメント ,東京 :

p. 32 .

- 長沼 毅 . 2013 . 「生命とは何だろう？」集英社インターナショナル, 東京: p. 168 .
- 長沼 毅 . 2012 . 「宇宙でいちばん面白い脳がしびれる科学の時間」河出書房新社, 東京: p. 200.
- 長沼 毅 . 2012 . 「長沼先生、エイリアンって地球にもいるんですか？」新潮社, 東京: p. 235 .
- 長沼 毅 . 2012 . 極限生物に見る地球外生命の可能性「地球外生命9の論点」(立花隆・佐藤勝彦・長沼 毅・皆川純・菅裕明・山岸明彦・重信秀治・小林憲正・大石雅寿著, 自然科学研究機構編) 講談社ブルーバックス, 東京: pp. 32-50.
- 長沼 毅 . 2012 . 「WONDER MOVE 大自然のふしぎ」(監修) 講談社, 東京: p. 128 .
- 長沼 毅 . 2012 . ほかの誰も薦めなかったとしても今のうちに読んでおくべきだと思ふ本を紹介します。(14歳の世渡り術)「14歳に薦める本」(雨宮処凛他29名) 河出書房新社, 東京: pp. 76-81 .
- 長沼 毅 . 2012 . 「時空の旅人 辺境の地をゆく」MOKU 出版, 東京: p. 208 .
- 長沼 毅 . 2012 . 火星に生きものはいるか? . *科学* . **82** : 1323-1327.
- 長沼 毅 . 2012 . 深海と地底からみた宇宙生命の可能性 . *環境と健康* . **25** : 466-477.
- 長沼 毅 . 2012 . 細胞質のバイオロジーに向かって . *現代思想* . **40** : 84-91.
- 長沼 毅 . 2012 . 「生命とは何か？」を宇宙に問う . *kotoba(コトバ)* . **8** : 152-155.
- 長沼 毅・伊村 智 . 2012 . 南極科学の新時代 - 氷床下ポストーク湖への到達 . *科学* . **82** : 357-359.
- 山岸明彦・吉村義隆・長沼 毅・宮川厚夫・出村裕英・豊田岐聡・本多 元・小林憲正・三田 肇・大野宗祐・石丸 亮・小林喬郎・戸野倉賢一・石上玄也・佐々木晶・宮本英昭 . 2012 . 個別観測機器提案「火星生命探査機器群提案」-細胞 ,アミノ酸 ,メタン検出を目的とした- . *遊星人* . **21** : 276-282.
- Ishitani, Y., Kamikawa, R., Yabuki, A., Tsuchiya, M., Inagaki, Y., **Takishita, K.**, 2012. Evolution of elongation factor-like (EFL) protein in Rhizaria is revised by radiolarian EFL gene sequences. *J. Eukaryot. Microbiol.* **59**: 367-373.
- Maeda, T., Hirose, E., Chikaraishi, Y., Kawato, M., **Takishita, K.**, Yoshida, T., Verbruggen, H., Tanaka, J., Shimamura, S., Takaki, Y., Tsuchiya, M., Iwai, K., Maruyama, T., 2012. Algivore or phototroph? *Plakobranchnus ocellatus* (Gastropoda) continuously acquires kleptoplasts and nutrition from multiple algal species in nature. *PLoS ONE* **7**: e42024.
- Takishita, K.**, Chikaraishi, Y., Leger, M. M., Kim, E., Yabuki, A., Ohkouchi, N., Roger, A. J., 2012. Lateral transfer of tetrahymanol-synthesizing genes has allowed multiple diverse eukaryote lineages to independently adapt to environments without oxygen. *Biol. Direct* **7**: 5.
- Takishita, K.**, Kolisko, M., Komatsuzaki, H., Yabuki, A., Inagaki, Y., Cepicka, I., Smejkalova, P., Silberman, J. D., Hashimoto, T., Roger, A. J., Simpson, A.G.B., 2012. Multigene phylogenies of diverse *Carpediemonas*-like organisms identify the closest relatives of 'amitochondriate' diplomonads and retortamonads. *Protist* **163**: 344-355.
- Nagai, S., **Itakura, S.**, 2012. Specific detection of the toxic dinoflagellates *Alexandrium tamarense* and *Alexandrium catenella* from single vegetative cells by a loop-mediated isothermal amplification method. *Marine Genomics* **7**: 43-49.
- Nagai, S., Yamamoto, K., Hata, N., **Itakura, S.**, 2012. Study of DNA extraction methods for use in loop-mediated isothermal amplification detection of single resting cysts in the toxic dinoflagellates *Alexandrium tamarense* and *A. catenella*. *Marine Genomics* **7**: 51-56.
- 板倉 茂 . 2012 . 第3節5-1 赤潮対策 . 「藻類ハンドブック」渡邊信監修 . 株式会社エヌ・ティ・エス発行 : pp. 440-443.
- 近藤伸一・中尾令子・岩滝光儀・坂本節子・板倉 茂・松山幸彦・長崎慶三 . 2012 . 有害赤潮藻ヘテロカプサの分布域北上現象 - 佐渡島加茂湖での赤潮によるマガキの大量死 - . *日本水産学会誌* . **78** : 719-725.
- 鳥袋寛盛・堀 正和・吉満 敏・徳永茂光・猪狩忠光・佐々木謙介・仲岡雅裕・川根昌子・吉田吾郎・

- 浜口昌巳．2012．鹿児島湾に生育する一年生アマモ局所個体群間の遺伝的分化．*日本水産学会誌*．**78**：204-211．
- 八谷光介・清本節夫・吉田吾郎・吉村 拓．2012．九州西岸に生育するホンダワラ属13種の付着器からの再生能力．*藻類*．**60**：41-45．
- 吉田吾郎．2012．瀬戸内海の藻場と漁業生産．*水産工学*．**49**：77-83．
- 吉田吾郎．2012．3．4．10．B ワカメ．「最新水産ハンドブック」(島一雄他編)講談社，東京：p. 66．
- 吉田吾郎．2012．3．4．10．C ノリ．「最新水産ハンドブック」(島一雄他編)講談社，東京：pp. 66-68．
- Akimoto, H., Nagai, K., **Sakurai, N.**, 2012. Viscosity Measurement by the Free Vibrations of Homogeneous Viscoelastic Sphere. *J. Applied Mechanics* **79**: 041002 – 1-8.
- Kadowaki, M, Nagashima, S., Akimoto, H., **Sakurai, N.**, 2012. Detection of Core Rot Symptom of Japanese Pear (*Pyrus pyrifolia* cv. Kousui) by a Nondestructive Resonant Method. *J. Japan. Soc. Hort. Sci.* **81**: 327-331.
- Li, X., **Sakurai, N.**, 2012. Amylopectin-like Starch is Present in the Cell Walls of Kiwifruit Pericarp Tissues during Development. *The Natural Products Journal* **2**: 293-306.
- Motohashi, K., Tomita-Yokota, K., Sato, S., Baba, K., Suzuki, T., **Sakurai, N.**, Hashimoto, H., Yamashita, M., 2012. The Differences between Upright and Weeping type of *Prunus* sp. on the Acoustic Vibration Analysis. *Biol. Sci. Space* **25**: 93-97.
- Oe, T., **Sakurai, N.**, Negoro, K., Kuwabara, A., Okamuro, M., Mitani, T., Hosohira, M., 2012. Relationships between Surface Blushing and Qualitative Components of Japanese Apricot (*Prunus mume* Sieb. et Zucc.)' Nanko 'Fruit. *J. Jap. Soc. Hort. Sci.* **81**: 11-18.
- 大江孝明・櫻井直樹・岡室美絵子・根来圭一・土田靖久・中西 慶・細平正人．2012．着果位置の違いがウメ '南高' 果実の成熟および機能性成分含量に及ぼす影響．*園芸学研究*．**11**：235-240.
- 大江孝明・櫻井直樹・山崎哲弘・奥井弥生・石原紀恵・岡室美絵子・細平正人．2012．ウメ '南高' 果実の追熟条件が梅酒の香氣成分および苦味成分に及ぼす影響．*園芸学研究*．**11**：273-279.
- 大江孝明・櫻井直樹・山崎哲弘・奥井弥生・石原紀恵・岡室美絵子・中西 慶・土田靖久・細平正人．2012．ウメ '南高' 果実の着果位置の違いが梅酒加工品の品質に及ぼす影響．*嚙下医学研究*．**11**：371-378.
- 大江孝明・櫻井直樹・山崎哲弘・奥井弥生・石原紀恵・岡室美絵子・細平正人．2012．高い芳香成分を有する梅酒製造のためのウメ '南高' 果実の熟度指標．*園芸学研究*．**11**：515-521.
- 櫻井直樹．2012．共振振動を用いた青果物の非破壊熟度判定技術と装置の開発．*Techno Innovation* **84**：36-41.
- Eida, M. F., **Nagaoka, T.**, **Wasaki, J.**, **Kouno, K.**, 2012. Isolation and characterization of cellulose-decomposing bacteria inhabiting sawdust and coffee residue composts. *Microbes Environ.* **27**: 226-233.
- Eida, M.F., **Nagaoka, T.**, **Wasaki, J.**, **Kouno, K.**, 2012. Isolation and characterization of cellulose-decomposing bacteria inhabiting sawdust and coffee residue composts. *Microbes Environ.* **27**: 226-233.
- Maruyama, H., Yamamura, T., Kaneko, Y., Matsui, H., Watanabe, T., Shinano, T., Osaki, M., **Wasaki, J.**, 2012. Effect of exogenous phosphatase and phytase activities on organic phosphate mobilization in soils with different phosphate adsorption capacities. *Soil Sci. Plant Nutr.* **58**: 41-51
- 瀬戸二郎・加藤直人・末吉 邦・和崎 淳・森塚直樹・金田吉弘・関本 均．2012．植物の養分獲得・利用と施肥．(資料)*日本土壌肥科学雑誌*．**83**：471-477．
- 俵谷圭太郎・和崎 淳．2012．リン酸資源の枯渇に対応したリン栄養研究．1．講座のねらい．(講座)*日本土壌肥科学雑誌*．**83**：173-176．
- 和崎 淳．2012．リン酸資源の枯渇に対応したリン栄養研究．2．有機態リン酸の利用．(講座)*日本土壌肥科学雑誌*．**83**：177-182．