

Nakano Publications

(a) Original papers

1. Takasu, H., T. Kunihiro and S. Nakano (in press) Estimation of carbon biomass and community structure of planktonic bacteria in Lake Biwa using respiratory quinone analysis. *Limnology*
2. Ohbayashi K, Hodoki Y, Kobayashi Y, Okuda N, Nakano S. (2013, in press) Genotypic composition and the relationship between genotypic composition and geographical proximity of the cyanobacterium *Microcystis aeruginosa* in western Japan. *Canadian Journal of Microbiology*
3. Kataoka, T., T. Homma, S. Nakanob, Y. Hodoki, K. Ohbayashi, R. Kondo (2013) PCR primers for selective detection of intra-species variations in the bloomforming cyanobacterium, *Microcystis*. *Harmful Algae* 23: 46-54
4. Okazaki, M., Hodoki, Y. and Nakano, S. (2013) Seasonal dominance of CL500-11 bacterioplankton (Phylum *Chloroflexi*) in the oxygenated hypolimnion of Lake Biwa, Japan. *FEMS Microbiol Ecol* 83: 82-92
5. Kobayashi, Y., Hodoki, Y., Ohbayashi, K., Okuda, N., Nakano, S. (2013) Grazing impact on the cyanobacterium *Microcystis aeruginosa* by the heterotrophic flagellate *Collodictyon triciliatum* in an experimental pond. *Limnology* 14: 43-49
6. Okamura, T., Mori, Y., Nakano, S., Kondo, R. (2012) Abundance and bacterivory of heterotrophic nanoflagellates in the meromictic Lake Suigetsu, Japan. *Aquat. Microb. Ecol.* 66: 149-158.
7. Hodoki, Y., Ohbayashi, K., Kobayashi, Y., Okuda, N., and Nakano, S. (2012) Detection and identification of potentially toxic cyanobacteria: ubiquitous distribution of *Microcystis aeruginosa* and *Cuspidothrix issatschenkoi* in Japanese lakes. *Harmful Algae* 16: 49-57.
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10. Doi, H., Chang, K.-H., Nakano, S. (2010) Nitrogen and carbon isotope fractionations of zooplankton consumers in ponds: Potential effect of seston stoichiometry. *Mar. Freshwat. Res.* 62: 66-71.
11. Doi, H. Kobari, T., Fukumori, K., Nishibe, Y., Nakano, S. (2010) Trophic niche breadth variability differs among three *Neocalanus* species in the subarctic Pacific Ocean. *J. Plankton Res.* 32: 1733-1737.
12. Chang, K.-H., Doi, H., Nishibe, Y., Nakano, S. (2010) Feeding habits of omnivorous *Asplanchna*: comparison of diet composition among *Asplanchna herricki*, *A. priodonta* and *A. girodi* in pond ecosystems. *J. Limnol.* 69: 209-216.
13. Doi, H., Chang, K. H., Nakano, S. (2010) Dispersal, connectivity of systems, and local conditions determine local zooplankton communities in artificially connected ponds. *Aquat. Biol.* 10: 47-55.
14. Ichinotsuka, D., T. Katano, H. Takeoka and S. Nakano (2010) Effects of nutrient supplies on the growth rates of planktonic bacteria in Uchiumi Bay, Japan. *Aquat. Biol.* 9: 123-130.

15. Doi, H., K.-H. Chang, T. Ando, H. Imai and S. Nakano (2010) Shoreline bank construction modify benthic-pelagic coupling of food webs. *Ecological Engineering* 36: 601-604.
16. Chang, K.-H., H. Doi, Y. Nishibe, Y. Obayashi, S. Nakano (2009) Spatial and Temporal Distribution of Zooplankton Communities of Coastal Marine Waters Receiving Different Human Activities (Fish and Pearl Oyster Farmings) *Open Marine Biology Journal* 3: 83-88.
17. 中井大介、大塚泰介、中原紘之、中野伸一 (2009) 人工水路において添加された微細粒子の堆積が付着藻類の群落構造に与える影響、*陸水学雑誌* 69 (3): 209-221
18. Imai, H., K.-H. Chang, M. Kusaba and S. Nakano (2009) Temperature-dependent dominance of *Microcystis* (Cyanophyceae) species: *M. aeruginosa* and *M. wesenbergii*. *J. Plankton Res.* 31: 171-178.
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26. Hirose, M., T. Katano, S. Nakano (2008) Growth and grazing mortality rates of *Prochlorococcus*, *Synechococcus* and eukaryotic picophytoplankton in a bay of the Uwa Sea, Japan. *J. Plankton Res.* 30: 241-250.
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31. Ohtuska, T., Y. Nakamura, S. Nakano & Y. Miyake (2007) Diatoms in Ishite Stream, near the Komenono Forest Research Center of Ehime University, Japan. *Diatom* 23: 29-48
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36. Nakano, S., A. Takeshita, T. Ohtsuka, D. Nakai (2006) Vertical profiles of current velocity and dissolved oxygen saturation in biofilms on artificial and natural substrates. *Limnology* 7: 213-218
37. Fukuda, M., J. Matsuyama, T. Katano, S. Nakano, F. Dazzo (2006) Assessing primary and bacterial production rates in biofilms on pebbles in Ishite Stream, Japan. *Microb. Ecol.* 52: 1-9
38. Katano, T., S. Nakano (2006) Growth rates of *Synechococcus* types with different phycoerythrin composition estimated by dual-laser flow cytometry in relationship to the light environment in the Uwa Sea. *J. Sea Res.* 55: 182-190
39. Ichinotuska, D., H. Ueno, S. Nakano (2006) The relative importance of nanoflagellates and ciliates as consumers of bacteria in a coastal sea area (Japan), where the oligotrichous *Strombidium* spp. and *Strobilidium* spp. dominate. *Aquat. Microb. Ecol.* 42: 139-147
40. Katano, T., S. Nakano, H. Ueno, O. Mitamura, K. Anbutsu, M. Kihira, Y. Satoh, V. Drucker, M. Sugiyama (2005) Abundance, growth and grazing loss rates of picophytoplankton in Barguzin Bay, Lake Baikal. *Aquat. Ecol.* 39: 431-438.
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投稿中の論文

1. Hodoki, Y., K. Ohbayashi, Y. Kobayashi, N. Okuda and S. Nakano (submitted) Genotypic diversity and temporal dynamics of artificial *Microcystis* blooms occurred in field experimental ponds. *Aquat. Microb. Ecol.*

(b) Reviews

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2. 中野伸一、外丸裕司、川端善一郎、鈴木聡 (2001) 宇和海のアコヤガイ漁場における微生物生態：餌微生物と病原微生物、地球環境、6: 39-45.
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(c) Book Chapters

1. Nakano, S., T. Yahara and T. Nakashizuka (Eds) (2012) The Biodiversity Observation Network in Asia-Pacific Region: Toward Further Development of Monitoring. Springer, Tokyo
2. Nakano S (2012, in press) Biodiversity researches on microbial loop in freshwater and marine systems. K. Agata (ed), Biodiversity and evolutionary research: from genome to ecosystem. Springer, Tokyo
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6. Chang, K.-H., Doi, H., Nishibe, Y., Obayashi, Y., Yamamoto, T., Yoshihara, M., Shime, M., and Nakano, S. (2007) Spatial and temporal distribution of zooplankton communities of coastal marine waters receiving different human activities (fish and pearl oyster farmings). In Chemical pollution and environmental changes, Tanabe S., Takeoka, H., Isobe, T., and Nishibe, Y. (eds.), 405-408, Universal Academy Press, Tokyo
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