

Nakano Publications (until 16 June 2017)

(a) Original papers

1. Mukherjee, I., Y. Hodoki, S. Nakano (2017, in press) Seasonal dynamics of heterotrophic and plastidic protists in the water column of Lake Biwa, Japan. *Aquat. Microb. Ecol.*
2. Okano, J., S. Nakano, I. Tayasu, N. Okuda (2017, in press) Differential responses to predator's chemical cue for two ecologically similar species: implication for coexistence mechanism. *Zool. Sci.*
3. Okazaki, Y., S. Fujinaga, A. Tanaka, A. Kohzu, H. Oyagi, S. Nakano (2017, in press) Ubiquity and quantitative significance of bacterioplankton lineages inhabiting the oxygenated hypolimnion of deep freshwater lakes. *ISME J.*
4. Takasu, H., Nakano, S. (2017) Growth and mortality rates of prokaryotes in the hypolimnion of a deep freshwater lake (Lake Biwa, Japan). *Inland Waters*. <https://doi.org/10.1080/20442041.2017.1298222>
5. Okazaki, Y., Nakano, S. (2016) Vertical partitioning of freshwater bacterioplankton community in a deep mesotrophic lake with a fully oxygenated hypolimnion (Lake Biwa, Japan). *Environ. Microbiol. Rept.* 8: 780-788.
6. Mukherjee, I., Hodoki, Y., Nakano, S. (2015) Kinetoplastid flagellates overlooked by universal primers dominate in the oxygenated hypolimnion of Lake Biwa, Japan. *FEMS Microb. Ecol.* 91 fiv083
7. Tanabe Y, Okazaki Y, Yoshida M, Matsuura H, Kai A, Shiratori T, Ishida K, Nakano S, Watanabe MM. (2015) A novel alphaproteobacterial ectosymbiont promotes the growth of the hydrocarbon-rich green alga *Botryococcus braunii*. *Scientific Reports* 5 doi:10.1038/srep10467
8. Nishino, H., Y. Hodoki, S. D. Thottathil, K. Ohbayashi, Y. Takao and S. Nakano (2015) Identification of species and genotypic compositions of *Cryptomonas* (Cryptophyceae) populations in the eutrophic Lake Hira, Japan, using single-cell PCR. *Aquat. Ecol.* 49: 263-272.
9. Takasu, H., M. Ushio, J. E. LeClair, S. Nakano (2015) High contribution of *Synechococcus* to phytoplankton biomass in the aphotic hypolimnion in a deep freshwater lake (Lake Biwa, Japan). *Aquat. Microb. Ecol.* 75: 69-79. doi:10.3354/ame01749
10. Kobayashi, Y., Y. Hodoki, K. Ohbayashi, N. Okuda, S. Nakano (2015) Changes in bacterial community structure associated with phytoplankton succession in outdoor experimental ponds. *Plankton Benthos Res.* 10: 34-44.
11. Chang, K.-H., H. Doi, Y. Nishibe, G.-S. Nam, S. Nakano (2014) Feeding behavior of the copepod *Temora turbinata*: clearance rate and prey preference on the diatom and microbial food web components in coastal area. *J. Ecol. Environ.* 37: 225-229.
12. Ushio, M., K. Makoto, J. Klaminder, H. Takasu, S. Nakano (2014) High-throughput sequencing shows inconsistent results with a microscope-based analysis of the soil prokaryotic community. *Soil Biology & Biochemistry* 76: 53-56.
13. Takasu, H., T. Kunihiro, S. Nakano (2014) Protistan grazing and viral lysis losses of bacterial carbon production in a large mesotrophic lake (Lake Biwa). *Limnology* 15: 257-270.
14. Sugiyama, Y., PG. Hatcher, RL. Sleighter, T. Suzuki, C. Wada, T. Kumagai, O. Mitamura, T. Katano, S. Nakano, Y. Tanaka, VV. Drucker, VA. Fialkov, M. Sugiyama (2014) Developing an understanding of dissolved organic matter dynamics in the giant Lake Baikal by ultrahigh resolution mass spectrometry. *Limnology* 15: 127-139.
15. Thottathil, S., K. Hayakawa, Y. Hodoki, C. Yoshimizu, Y. Kobayashi, S. Nakano (2013) Biogeochemical control on fluorescent dissolved organic matter dynamics in a large freshwater lake (Lake Biwa, Japan). *Limnol. Oceanogr.* 58: 2262-2278
16. Hodoki, Y., Ohbayashi, K., Kobayashi, Y., Takasu, H., Okuda, N., and Nakano, S. (2013) Anatoxin-a-producing *Raphidiopsis mediterranea* Skuja var. *grandis* Hill is one ecotype of non-heterocytous *Cuspidothrix issatschenkoi* (Usac'ev) Rajaniemi et al. in Japanese lakes. *Harmful Algae* 21-22: 44-53.
17. Doi, H., K.-H. Chang, Y. Nishibe, H. Imai and S. Nakano (2013) Lack of congruence between species diversity indices and community structures of planktonic groups based on local environmental factors. *PLOS ONE*, DOI: 10.1371/journal.pone.0069594
18. Ushio, M., Makoto, K., Klaminder, J., Nakano, S. (2013) CARD-FISH analysis of prokaryotic community composition and abundance along small-scale vegetation gradients in a dry arctic tundra ecosystem. *Soil Biology & Biochemistry* 64: 147-154

19. Chang, K.-H., H. Imai, K. Ayukawa, S. Sugahara, S. Nakano, Y. Seike (2013) Impact of improved bottom hypoxia on zooplankton community in shallow eutrophic lake. *Knowledge and Management of Aquatic Ecosystems* 408, 03, <http://dx.doi.org/10.1051/kmae/2013038>
20. Takasu, H., T. Kunihiro and S. Nakano (2013) Estimation of carbon biomass and community structure of planktonic bacteria in Lake Biwa using respiratory quinone analysis. *Limnology* 14: 247-256
21. Ohbayashi K, Hodoki Y, Kobayashi Y, Okuda N, Nakano S. (2013) Genotypic composition and the relationship between genotypic composition and geographical proximity of the cyanobacterium *Microcystis aeruginosa* in western Japan. *Canadian Journal of Microbiology* 59: 266-272
22. Kataoka, T., T. Homma, S. Nakano, 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
23. 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
24. 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
25. 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.
26. 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.
27. Takasu, H., Kunihiro, T., Nakano, S. (2012) Vertical community structure of bacteria and phytoplankton in Lake Biwa using respiratory quinone and pigment analysis. *Interdisciplinary studies on environmental chemistry* 6: 377-385.
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34. 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.
35. 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.
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