Shin-ichi Nakano

List of Publications by Year
in descending order

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108	1,913	304743	361022
papers	citations	22 h-index	35 g-index

115	115	115	2090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hidden in plain sightâ€"highly abundant and diverse planktonic freshwater Chloroflexi. Microbiome, 2018, 6, 176.	11.1	130
2	Ubiquity and quantitative significance of bacterioplankton lineages inhabiting the oxygenated hypolimnion of deep freshwater lakes. ISME Journal, 2017, 11, 2279-2293.	9.8	75
3	Seasonal dominance of CL500-11 bacterioplankton (phylumChloroflexi) in the oxygenated hypolimnion of Lake Biwa, Japan. FEMS Microbiology Ecology, 2013, 83, 82-92.	2.7	69
4	Drifting plankton from a reservoir subsidize downstream food webs and alter community structure. Oecologia, 2008, 156, 363-371.	2.0	67
5	Trophic roles of heterotrophic nanoflagellates and ciliates among planktonic organisms in a hypereutrophic pond. Aquatic Microbial Ecology, 1998, 16, 153-161.	1.8	57
6	A novel alphaproteobacterial ectosymbiont promotes the growth of the hydrocarbon-rich green alga Botryococcus braunii. Scientific Reports, 2015, 5, 10467.	3.3	55
7	Longitudinal changes in zooplankton distribution below a reservoir outfall with reference to river planktivory. Limnology, 2008, 9, 125-133.	1.5	53
8	Vertical partitioning of freshwater bacterioplankton community in a deep mesotrophic lake with a fully oxygenated hypolimnion (Lake Biwa, Japan). Environmental Microbiology Reports, 2016, 8, 780-788.	2.4	52
9	Resource availability and ecosystem size predict foodâ€chain length in pond ecosystems. Oikos, 2009, 118, 138-144.	2.7	51
10	Genomeâ€resolved viral and cellular metagenomes revealed potential key virusâ€host interactions in a deep freshwater lake. Environmental Microbiology, 2019, 21, 4740-4754.	3.8	49
11	Carbon: nitrogen: phosphorus ratios and nutrient regeneration of a heterotrophic flagellate fed on bacteria with different elemental ratios. Archiv FÃ¼r Hydrobiologie, 1994, 129, 257-271.	1.1	49
12	Metaepigenomic analysis reveals the unexplored diversity of DNA methylation in an environmental prokaryotic community. Nature Communications, 2019, 10, 159.	12.8	48
13	Mass mortality of the Japanese pearl oyster Pinctada fucata martensii in relation to water temperature, chlorophyll a and phytoplankton composition. Diseases of Aquatic Organisms, 2001, 44, 61-68.	1.0	46
14	Title is missing!. Hydrobiologia, 1999, 411, 211-216.	2.0	40
15	Relative importance of nanoflagellates and ciliates as consumers of bacteria in a coastal sea area dominated by oligotrichous Strombidium and Strobilidium. Aquatic Microbial Ecology, 2006, 42, 139-147.	1.8	33
16	Kinetoplastid flagellates overlooked by universal primers dominate in the oxygenated hypolimnion of Lake Biwa, Japan. FEMS Microbiology Ecology, 2015, 91, fiv083.	2.7	29
17	Effect of water temperature and chlorophyll abundance on shell growth of the Japanese pearl oyster, Pinctada fucata martensii , in suspended culture at different depths and sites. Aquaculture Research, 2002, 33, 109-116.	1.8	28
18	Growth and grazing mortality rates of Prochlorococcus, Synechococcus and eukaryotic picophytoplankton in a bay of the Uwa Sea, Japan. Journal of Plankton Research, 2007, 30, 241-250.	1.8	27

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19	Trophic linkage among heterotrophic nanoflagellates, ciliates and metazoan zooplankton in a hypereutrophic pond. Aquatic Microbial Ecology, 2001, 25, 259-270.	1.8	27
20	Title is missing!. Hydrobiologia, 2002, 481, 181-185.	2.0	25
21	Seasonal changes in abundance of heterotrophic nanoflagellates and their consumption of bacteria in Lake Biwa with special reference to trophic interactions with Daphnia galeata. Fundamental and Applied Limnology, 1998, 142, 21-34.	0.7	24
22	Seasonal changes in the abundance and composition of picophytoplankton in relation to the occurrence of Â‘KyuchoÂ’ and bottom intrusion in Uchiumi Bay, Japan. Marine Ecology - Progress Series, 2005, 298, 59-67.	1.9	24
23	Biogeochemical control on fluorescent dissolved organic matter dynamics in a large freshwater lake (Lake Biwa, Japan). Limnology and Oceanography, 2013, 58, 2262-2278.	3.1	23
24	The Broad Habitat Spectrum of the CL500-11 Lineage (Phylum Chloroflexi), a Dominant Bacterioplankton in Oxygenated Hypolimnia of Deep Freshwater Lakes. Frontiers in Microbiology, 2018, 9, 2891.	3.5	23
25	Cyanobacterial blooms in a shallow lake: a largescale enclosure assay to test the importance of diurnal stratification. Fundamental and Applied Limnology, 2001, 150, 491-509.	0.7	22
26	Grazing and growth of the heterotrophic flagellate Diphylleia rotans on the cyanobacterium Microcystis aeruginosa. Aquatic Microbial Ecology, 2006, 45, 163-170.	1.8	22
27	Ecogenomics sheds light on diverse lifestyle strategies in freshwater CPR. Microbiome, 2022, 10, .	11.1	22
28	Effect of heterotrophic nanoflagellates on the loss of virus-like particles in pond water. Ecological Research, 2002, 17, 473-479.	1.5	21
29	Trophic coupling of a testate amoeba and Microcystis species in a hypertrophic pond. Limnology, 2004, 5, 71.	1.5	21
30	Feeding habits of omnivorous Asplanchna: comparison of diet composition among Asplanchna herricki, A. priodonta and A. girodi in pond ecosystems. Journal of Limnology, 2010, 69, 209.	1.1	21
31	Anatoxin-a-producing Raphidiopsis mediterranea Skuja var. grandis Hill is one ecotype of non-heterocytous Cuspidothrix issatschenkoi (UsaÄev) Rajaniemi et al. in Japanese lakes. Harmful Algae, 2013, 21-22, 44-53.	4.8	21
32	Abundance, growth and grazing loss rates of picophytoplankton in Barguzin Bay, Lake Baikal. Aquatic Ecology, 2005, 39, 431-438.	1.5	20
33	Bacterial response to extracellular dissolved organic carbon released from healthy and senescent Fragilaria crotonensis (Bacillariophyceae) in experimental systems. Hydrobiologia, 1996, 339, 47-55.	2.0	18
34	Assessing Primary and Bacterial Production Rates in Biofilms on Pebbles in Ishite Stream, Japan. Microbial Ecology, 2006, 52, 1-9.	2.8	18
35	Seasonal dynamics of heterotrophic and plastidic protists in the water column of Lake Biwa, Japan. Aquatic Microbial Ecology, 2017, 80, 123-137.	1.8	18
36	A freshwater radiation of diplonemids. Environmental Microbiology, 2020, 22, 4658-4668.	3.8	17

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37	Microdiversity and phylogeographic diversification of bacterioplankton in pelagic freshwater systems revealed through long-read amplicon sequencing. Microbiome, 2021, 9, 24.	11.1	17
38	Widespread Dominance of Kinetoplastids and Unexpected Presence of Diplonemids in Deep Freshwater Lakes. Frontiers in Microbiology, 2019, 10, 2375.	3.5	16
39	Vertical planktonic structure in the central basin of Lake Baikal in summer 1999, with special reference to the microbial food web. Limnology, 2003, 4, 155-160.	1.5	15
40	Contribution of Chemoautotrophic Production to Freshwater Macroinvertebrates in a Headwater Stream Using Multiple Stable Isotopes. International Review of Hydrobiology, 2006, 91, 501-508.	0.9	15
41	Detection and identification of potentially toxic cyanobacteria: Ubiquitous distribution of Microcystis aeruginosa and Cuspidothrix issatschenkoi in Japanese lakes. Harmful Algae, 2012, 16, 49-57.	4.8	15
42	Estimation of Phosphorus Release Rate by Bacterivorous Flagellates in Lake Biwa.. Japanese Journal of Limnology, 1994, 55, 201-211.	0.1	15
43	Temporal variation in cyanobacteria species composition and photosynthetic activity in experimentally induced blooms. Journal of Plankton Research, 2011, 33, 1410-1416.	1.8	14
44	PCR primers for selective detection of intra-species variations in the bloom-forming cyanobacterium, Microcystis. Harmful Algae, 2013, 23, 46-54.	4.8	14
45	Attached microalgae contribute to planktonic food webs in bays with fish and pearl oyster farms. Marine Ecology - Progress Series, 2008, 353, 107-113.	1.9	14
46	Effect of nutrient limitation on abundance and growth of phytoplankton in a Japanese pearl farm. Marine Ecology - Progress Series, 2003, 258, 43-50.	1.9	14
47	Title is missing!. Aquatic Ecology, 2003, 37, 37-43.	1.5	13
48	Nutrient limitation of the primary production of phytoplankton in Lake Baikal. Limnology, 2006, 7, 225-229.	1.5	13
49	High-throughput sequencing shows inconsistent results with a microscope-based analysis of the soil prokaryotic community. Soil Biology and Biochemistry, 2014, 76, 53-56.	8.8	13
50	High contribution of Synechococcus to phytoplankton biomass in the aphotic hypolimnion in a deep freshwater lake (Lake Biwa, Japan). Aquatic Microbial Ecology, 2015, 75, 69-79.	1.8	13
51	Abundance and Community Structure of Picoplankton and Protists in the Microbial Food Web of Barguzin Bay, Lake Baikal. Aquatic Ecology, 2005, 39, 263-270.	1.5	12
52	Shoreline bank construction modifies benthicâ€“pelagic coupling of food webs. Ecological Engineering, 2010, 36, 601-604.	3.6	12
53	Abundance and bacterivory of heterotrophic nanoflagellates in the meromictic Lake Suigetsu, Japan. Aquatic Microbial Ecology, 2012, 66, 149-158.	1.8	12
54	Dominance of Microcystis with Special Reference to Carbon Availability in Lake Water.. Microbes and Environments, 2003, 18, 38-42.	1.6	11

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55	Abundance and pigment type composition of picocyanobacteria in Barguzin Bay, Lake Baikal. Limnology, 2008, 9, 105-114.	1.5	11
56	The <scp>Asiaâ€Pacific</scp> Biodiversity Observation Network: 10â€year achievements and new strategies to 2030. Ecological Research, 2021, 36, 232-257.	1.5	11
57	Seasonal Changes in Horizontal Distribution of Algal Picoplankton in Lake Biwa with Special Reference to Water Temperature, Nutrient Leveles and Heterotrophic Flagellates.. Japanese Journal of Limnology, 1996, 57, 49-55.	0.1	11
58	Changes in cell volume of bacteria and heterotrophic nanoflagellates in a hypereutrophic pond. Hydrobiologia, 2000, 428, 197-203.	2.0	10
59	Grazing Effects on Toxic and Non-ToxicMicrocystis aeruginosaby the Mixotrophic FlagellateOchromonassp.. Journal of Freshwater Ecology, 2009, 24, 367-373.	1.2	10
60	Response of the plankton community to herbicide application (triazine herbicide, simetryn) in a eutrophicated system: short-term exposure experiment using microcosms. Limnology, 2011, 12, 11-16.	1.5	10
61	Rates and Ratios of Nitrogen and Phosphorus Released by a Bacterivorous Flagellate.. Japanese Journal of Limnology, 1994, 55, 115-123.	0.1	10
62	The crucial influence of trophic status on the relative requirement of nitrogen to phosphorus for phytoplankton growth. Water Research, 2022, 222, 118868.	11.3	10
63	Respiration rates of the Japanese pearl oyster, Pinctada fucata martensii , feeding on Pavlova lutheri and Chaetoceros gracilis. Aquaculture Research, 2002, 33, 33-36.	1.8	9
64	An improved method for collecting heterotrophic microorganisms living on pebbles in streams. Limnology, 2004, 5, 41-46.	1.5	9
65	The dynamics of microbial and herbivorous food webs in a coastal sea with special reference to intermittent nutrient supply from bottom intrusion. Aquatic Ecology, 2004, 38, 485-493.	1.5	9
66	Changes in the abundance and composition of picophytoplankton in relation to the occurrence of a Kyucho and a bottom intrusion in the Bungo Channel, Japan. Estuarine, Coastal and Shelf Science, 2008, 76, 293-303.	2.1	9
67	Trophic niche breadth variability differs among three Neocalanus species in the subarctic Pacific Ocean. Journal of Plankton Research, 2010, 32, 1733-1737.	1.8	9
68	Lack of Congruence in Species Diversity Indices and Community Structures of Planktonic Groups Based on Local Environmental Factors. PLoS ONE, 2013, 8, e69594.	2.5	9
69	Changes in Bacterioplankton Production and Dominant Algal Species in the North Basin of Lake Biwa.. Japanese Journal of Limnology, 1992, 53, 145-149.	0.1	9
70	The Vertical Distribution of Pearl Oyster <i>Pinctada fucata martensii</i> Spat in Uchiumi Bay. Fisheries Science, 1999, 65, 358-361.	1.6	8
71	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. Journal of Sea Research, 2006, 55, 182-190.	1.6	8
72	Distributions and geochemical behaviors of oxyanion-forming trace elements and uranium in the HÃ¶vsgÃ¶lâ€“Baikalâ€“Yenisei water system of Mongolia and Russia. Journal of Geochemical Exploration, 2018, 188, 123-136.	3.2	8

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73	Discrimination of Two Phycoerythrin-Pigment Types of Synechococcus and Their Seasonal Succession in the Uwa Sea. Microbes and Environments, 2004, 19, 7-12.	1.6	7
74	Evaluation of three phytoplankton species as food for the pearl oyster Pinctada fucata. Aquaculture International, 2008, 16, 309-318.	2.2	7
75	Developing an understanding of dissolved organic matter dynamics in the giant Lake Baikal by ultrahigh resolution mass spectrometry. Limnology, 2014, 15, 127-139.	1.5	7
76	The effect of human activities on benthic macroinvertebrate diversity in tributary lagoons surrounding Lake Biwa. Limnology, 2018, 19, 199-207.	1.5	7
77	Vertical profiles of current velocity and dissolved oxygen saturation in biofilms on artificial and natural substrates. Limnology, 2006, 7, 213-218.	1.5	6
78	Abundance and composition of the summer phytoplankton community along a transect from the Barguzin River to the central basin of Lake Baikal. Limnology, 2008, 9, 243-250.	1.5	6
79	CARD-FISH analysis of prokaryotic community composition and abundance along small-scale vegetation gradients in a dry arctic tundra ecosystem. Soil Biology and Biochemistry, 2013, 64, 147-154.	8.8	6
80	Grazing impact on the cyanobacterium Microcystis aeruginosa by the heterotrophic flagellate Collodictyon triciliatum in an experimental pond. Limnology, 2013, 14, 43-49.	1.5	6
81	Biodiversity in Aquatic Systems and Environments. SpringerBriefs in Biology, 2014, , .	0.5	6
82	Progress in the 21st century: a Roadmap for the Ecological Society of Japan. Ecological Research, 2014, 29, 357-368.	1.5	6
83	Distribution of the Harmful Bloom-Forming Cyanobacterium, <i>Microcystis aeruginosa</i>, in 88 Freshwater Environments across Japan. Microbes and Environments, 2020, 35, n/a.	1.6	6
84	Estimation of carbon biomass and community structure of planktonic bacteria in Lake Biwa using respiratory quinone analysis. Limnology, 2013, 14, 247-256.	1.5	5
85	Rapid development and characterization of EST-SSR markers for the honey locust seed beetle, Megabruchidius dorsalis (Coleoptera: Bruchidae), using de novo transcriptome analysis based on next-generation sequencing. Applied Entomology and Zoology, 2019, 54, 141-145.	1.2	5
86	Biodiversity Researches on Microbial Loop in Aquatic Systems. SpringerBriefs in Biology, 2014, , 51-67.	0.5	5
87	Grazing on Microcystis (Cyanophyceae) by testate amoebae with special reference to cyanobacterial abundance and physiological state. Limnology, 2011, 12, 205-211.	1.5	4
88	Nitrogen and carbon isotope fractionations of zooplankton consumers in ponds: potential effects of seston C:N stoichiometry. Marine and Freshwater Research, 2011, 62, 66.	1.3	4
89	Protistan grazing and viral lysis losses of bacterial carbon production in a large mesotrophic lake (Lake Biwa). Limnology, 2014, 15, 257-270.	1.5	4
90	Long-term variation in abundance of the non-native phytoplankton Micrasterias hardyi (Zygnematophyceae, Streptophyta) in Lake Biwa, Japan. Limnology, 2020, 21, 67-72.	1.5	4

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91	Influence of potential grazers on picocyanobacterial abundance in Lake Biwa revealed with empirical dynamic modeling. Inland Waters, 2020, 10, 386-396.	2.2	4
92	Phylogenetic diversity of the picocyanobacterial community from a novel winter bloom in Lake Biwa. Limnology, 2021, 22, 161-167.	1.5	4
93	Developing a Regional Network of Biodiversity Observation in the Asia-Pacific Region: Achievements and Challenges of AP BON. Structure and Function of Mountain Ecosystems in Japan, 2014, , 3-28.	0.5	4
94	Effects of nutrient supplies on the growth rates of planktonic bacteria in Uchiumi Bay, Japan. Aquatic Biology, 2010, 9, 123-130.	1.4	4
95	Dispersal, connectivity, and local conditions determine zooplankton community composition in artificially connected ponds. Aquatic Biology, 2010, 10, 47-55.	1.4	4
96	Differential Responses of Two Ecologically Similar Case-Bearing Caddisfly Species to a Fish Chemical Cue: Implications for a Coexistence Mechanism. Zoological Science, 2017, 34, 461-467.	0.7	3
97	Trophic niche breadth of pond zooplankton species using stable isotope analysis and the relationship with the abiotic and biotic factors. Royal Society Open Science, 2019, 6, 180917.	2.4	3
98	The dynamics of microbial and herbivorous food webs in a coastal sea with special reference to intermittent nutrient supply from bottom intrusion. Aquatic Ecology, 2005, 38, 485-493.	1.5	2
99	Genotypic composition and the relationship between genotypic composition and geographical proximity of the cyanobacterium Microcystis aeruginosa in western Japan. Canadian Journal of Microbiology, 2013, 59, 266-272.	1.7	2
100	Changes in bacterial community structure associated with phytoplankton succession in outdoor experimental ponds. Plankton and Benthos Research, 2015, 10, 34-44.	0.6	2
101	Identification of species and genotypic compositions of Cryptomonas (Cryptophyceae) populations in the eutrophic Lake Hira, Japan, using single-cell PCR. Aquatic Ecology, 2015, 49, 263-272.	1.5	2
102	Growth and mortality rates of prokaryotes in the hypolimnion of a deep freshwater lake (Lake Biwa,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	2
103	Long-Term and Spatial Variation in the Diversity of Littoral Benthic Macroinvertebrate Fauna in Lake Biwa, Japan. Structure and Function of Mountain Ecosystems in Japan, 2014, , 151-166.	0.5	2
104	Biogeochemical characteristics of the HÃ¶vsgÃ¶lâ€“Ustilimsk water system in Mongolia and Russia: the effect of environmental factors on dissolved chemical components. Limnology, 2022, 23, 385-402.	1.5	2
105	Horizontal distribution and nutritional status of picophytoplankton in Lake Baikal in summer. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2008, 30, 598-602.	0.1	1
106	Seasonal changes in the cell size and density of the diatom Fragilaria crotonensis Kitton in Lake Biwa. , 2022, 77, 3469-3476.		1
107	Role of allochthonous organic matter in Lake Baikal investigated using a 3-dimensional fluorescence excitation-emission matrix spectroscopy and high performance liquid chromatography-mass spectrometry. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2008, 30, 469-476.	0.1	0
108	HISTORY OF JAPANESE LIMNOLOGY. Limnology and Oceanography Bulletin, 2010, 19, 78-82.	0.4	0