

# Niels O G JÃ,rgensen

## List of Publications by Year in descending order

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93  
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3,390  
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117625

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docs citations

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times ranked

3125  
citing authors

#	ARTICLE	IF	CITATIONS
1	SUMMER INPUTS OF RIVERINE NUTRIENTS TO THE BALTIC SEA: BIOAVAILABILITY AND EUTROPHICATION RELEVANCE. <i>Ecological Monographs</i> , 2002, 72, 579-597.	5.4	168
2	Viral lysis of bacteria: an important source of dissolved amino acids and cell wall compounds. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2006, 86, 605-612.	0.8	148
3	Degradation of microcystin in sediments at oxic and anoxic, denitrifying conditions. <i>Water Research</i> , 2003, 37, 4748-4760.	11.3	137
4	High DON bioavailability in boreal streams during a spring flood. <i>Limnology and Oceanography</i> , 2000, 45, 1298-1307.	3.1	131
5	Biochemical and technical observations supporting the use of copepods as live feed organisms in marine larviculture. <i>Aquaculture Research</i> , 2006, 37, 756-772.	1.8	131
6	Dissolved free amino acids, combined amino acids, and DNA as sources of carbon and nitrogen to marine bacteria. <i>Marine Ecology - Progress Series</i> , 1993, 98, 135-148.	1.9	130
7	Taxonomic Status of <i>Kitasatosporia</i> , and Proposed Unification with <i>Streptomyces</i> on the Basis of Phenotypic and 16S rRNA Analysis and Emendation of <i>Streptomyces Waksman and Henrici</i> 1943, 339AL. <i>International Journal of Systematic Bacteriology</i> , 1992, 42, 156-160.	2.8	110
8	Free amino acids in lakes: Concentrations and assimilation rates in relation to phytoplankton and bacterial production1. <i>Limnology and Oceanography</i> , 1987, 32, 97-111.	3.1	101
9	<i>Delftia lacustris</i> sp. nov., a peptidoglycan-degrading bacterium from fresh water, and emended description of <i>Delftia tsuruhatensis</i> as a peptidoglycan-degrading bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009, 59, 2195-2199.	1.7	97
10	Occurrence and bacterial cycling of dissolved nitrogen in the Gulf of Riga, the Baltic Sea. <i>Marine Ecology - Progress Series</i> , 1999, 191, 1-18.	1.9	78
11	Extracellular Organic Carbon (EOC) Released by Phytoplankton and Bacterial Production. <i>Oikos</i> , 1985, 45, 323.	2.7	76
12	Abundance of actinobacteria and production of geosmin and 2-methylisoborneol in Danish streams and fish ponds. <i>FEMS Microbiology Ecology</i> , 2005, 52, 265-278.	2.7	75
13	Utilization of Dissolved Nitrogen by Heterotrophic Bacterioplankton: a Comparison of Three Ecosystems. <i>Applied and Environmental Microbiology</i> , 1994, 60, 4116-4123.	3.1	70
14	Occurrence and degradation of peptidoglycan in aquatic environments. <i>FEMS Microbiology Ecology</i> , 2003, 46, 269-280.	2.7	64
15	<i>Tenacibaculum skagerrakense</i> sp. nov., a marine bacterium isolated from the pelagic zone in Skagerrak, Denmark. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 519-524.	1.7	64
16	Heterotrophic Assimilation and Occurrence of Dissolved Free Amino Acids in a Shallow Estuary. <i>Marine Ecology - Progress Series</i> , 1982, 8, 145-159.	1.9	61
17	Bacterial influence on amino acid enantiomerization in a coastal marine sediment. <i>Limnology and Oceanography</i> , 2001, 46, 1358-1369.	3.1	59
18	Strain-specific vital rates in four <i>Acartia tonsa</i> cultures II: Life history traits and biochemical contents of eggs and adults. <i>Aquaculture</i> , 2008, 279, 47-54.	3.5	54

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19	Bacterial uptake and utilization of dissolved DNA. <i>Aquatic Microbial Ecology</i> , 1996, 11, 263-270.	1.8	52
20	Relations between bacterial nitrogen metabolism and growth efficiency in an estuarine and an open-water ecosystem. <i>Aquatic Microbial Ecology</i> , 1999, 18, 247-261.	1.8	52
21	Variability in Inorganic and Organic Nitrogen Uptake Associated with Riverine Nutrient Input in the Gulf of Riga, Baltic Sea. <i>Estuaries and Coasts</i> , 2001, 24, 204.	1.7	51
22	Links between bacterial production, amino-acid utilization and community composition in productive lakes. <i>ISME Journal</i> , 2007, 1, 532-544.	9.8	51
23	Chemical and Sensory Quantification of Geosmin and 2-Methylisoborneol in Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) from Recirculated Aquacultures in Relation to Concentrations in Basin Water. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12561-12568.	5.2	51
24	Zooplankton induced changes in dissolved free amino acids and in production rates of freshwater bacteria. <i>Microbial Ecology</i> , 1986, 12, 247-258.	2.8	49
25	Incorporation of thymidine, adenine and leucine into natural bacterial assemblages. <i>Marine Ecology - Progress Series</i> , 1990, 65, 87-94.	1.9	49
26	Diel variation in concentration, assimilation and respiration of dissolved free amino acids in relation to planktonic primary and secondary production in two eutrophic lakes. <i>Hydrobiologia</i> , 1983, 107, 107-122.	2.0	48
27	Methane fluxes and the functional groups of methanotrophs and methanogens in a young Arctic landscape on Disko Island, West Greenland. <i>Biogeochemistry</i> , 2015, 122, 15-33.	3.5	48
28	Utilization of Dissolved Nitrogen by Heterotrophic Bacterioplankton: Effect of Substrate C/N Ratio. <i>Applied and Environmental Microbiology</i> , 1994, 60, 4124-4133.	3.1	46
29	Biochemical composition of the promising live feed tropical calanoid copepod <i>Pseudodiaptomus annandalei</i> (Sewell 1919) cultured in Taiwanese outdoor aquaculture ponds. <i>Aquaculture</i> , 2015, 441, 25-34.	3.5	43
30	Uptake of urea by estuarine bacteria. <i>Aquatic Microbial Ecology</i> , 2006, 42, 227-242.	1.8	40
31	Effects of sunlight on occurrence and bacterial turnover of specific carbon and nitrogen compounds in lake water. <i>FEMS Microbiology Ecology</i> , 1998, 25, 217-227.	2.7	39
32	Are dissolved free amino acids free?. <i>Microbial Ecology</i> , 1984, 10, 301-316.	2.8	37
33	Potential Contribution of Fish Feed and Phytoplankton to the Content of Volatile Terpenes in Cultured Pangasius ( <i>Pangasianodon hypophthalmus</i> ) and Tilapia ( <i>Oreochromis</i> ) Tj ETQq1 1 0.784314 rgBEj/Overlook 10 Tf 50		
34	Effects of sunlight on occurrence and bacterial turnover of specific carbon and nitrogen compounds in lake water. <i>FEMS Microbiology Ecology</i> , 1998, 25, 217-227.	2.7	36
35	Purine and pyrimidine metabolism by estuarine bacteria. <i>Aquatic Microbial Ecology</i> , 2006, 42, 215-226.	1.8	36
36	Detection of activity among uncultured Actinobacteria in a drinking water reservoir. <i>FEMS Microbiology Ecology</i> , 2006, 55, 432-438.	2.7	36

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37	Microbial fluxes of free monosaccharides and total carbohydrates in freshwater determined by PAD-HPLC. <i>FEMS Microbiology Ecology</i> , 1994, 14, 79-93.	2.7	33
38	<i>Vogesella mureinivorans</i> sp. nov., a peptidoglycan-degrading bacterium from lake water. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2467-2472.	1.7	32
39	The biosurfactant viscosin transiently stimulates n-hexadecane mineralization by a bacterial consortium. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1475-1483.	3.6	32
40	Ballast water treatment and bacteria: Analysis of bacterial activity and diversity after treatment of simulated ballast water by electrochlorination and UV exposure. <i>Science of the Total Environment</i> , 2019, 648, 408-421.	8.0	32
41	The Importance of <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i> as Contributors of Free Amino Acids in Water and Sediment of Seagrass Beds. <i>Marine Ecology</i> , 1981, 2, 97-112.	1.1	31
42	Microbial community-level toxicity testing of linear alkylbenzene sulfonates in aquatic microcosms. <i>FEMS Microbiology Ecology</i> , 2004, 49, 229-241.	2.7	30
43	Influence of sediment on pelagic carbon and nitrogen turnover in a shallow Danish estuary. <i>Aquatic Microbial Ecology</i> , 1998, 14, 81-90.	1.8	30
44	Pelagic food web processes in an oligotrophic lake. <i>Hydrobiologia</i> , 1988, 164, 271-286.	2.0	29
45	Determination of dissolved combined amino acids using microwave-assisted hydrolysis and HPLC precolumn derivatization for labeling of primary and secondary amines. <i>Marine Chemistry</i> , 1997, 57, 287-297.	2.3	29
46	Utilization of marine sedimentary dissolved organic nitrogen by native anaerobic bacteria. <i>Limnology and Oceanography</i> , 2002, 47, 1712-1722.	3.1	29
47	Effects of reduced organic matter loading through membrane filtration on the microbial community dynamics in recirculating aquaculture systems (RAS) with Atlantic salmon parr ( <i>Salmo salar</i> ). <i>Aquaculture</i> , 2020, 524, 735268.	3.5	29
48	Microbial fluxes of free monosaccharides and total carbohydrates in freshwater determined by PAD-HPLC. <i>FEMS Microbiology Ecology</i> , 1994, 14, 79-93.	2.7	28
49	Fluxes of free amino acids in three Danish lakes. <i>Freshwater Biology</i> , 1986, 16, 255-268.	2.4	23
50	Predation and selection for antibiotic resistance in natural environments. <i>Evolutionary Applications</i> , 2016, 9, 427-434.	3.1	23
51	Microbial Production of the Off-Flavor Geosmin in Tilapia Production in Brazilian Water Reservoirs: Importance of Bacteria in the Intestine and Other Fish-Associated Environments. <i>Frontiers in Microbiology</i> , 2019, 10, 2447.	3.5	23
52	Annual variation of dissolved free primary amines in estuarine water and sediment. <i>Oecologia</i> , 1979, 40, 207-217.	2.0	21
53	A Screening Method for the Isolation of Bacteria Capable of Degrading Toxic Steroidal Glycoalkaloids Present in Potato. <i>Frontiers in Microbiology</i> , 2018, 9, 2648.	3.5	21
54	Distribution and ecological impact of artemisinin derived from <i>Artemisia annua</i> L. in an agricultural ecosystem. <i>Soil Biology and Biochemistry</i> , 2013, 57, 164-172.	8.8	20

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55	Evaluation of geosmin and 2-methylisoborneol off-flavour in smoked rainbow trout fillets using instrumental and sensory analyses. <i>Aquaculture Research</i> , 2012, 43, 149-153.	1.8	19
56	Occurrence and Bacterial Cycling of d Amino Acid Isomers in an Estuarine Environment. <i>Biogeochemistry</i> , 2006, 81, 77-94.	3.5	18
57	Geosmin off-flavour in pond-raised fish in southern Bangladesh and occurrence of potential off-flavour producing organisms. <i>Aquaculture Environment Interactions</i> , 2014, 5, 107-116.	1.8	18
58	Uptake of glycine and release of primary amines by the polychaete <i>Nereis virens</i> (Sars) and the mud snail <i>Hydrobia neglecta</i> muus. <i>Journal of Experimental Marine Biology and Ecology</i> , 1980, 47, 281-297.	1.5	17
59	Uptake of L-valine and other amino acids by the polychaete <i>Nereis virens</i> . <i>Marine Biology</i> , 1979, 52, 45-52.	1.5	16
60	Functional characteristics of culturable bacterioplankton from marine and estuarine environments. <i>International Microbiology</i> , 2004, 7, 219-27.	2.4	16
61	Uptake of Amino Acids by Three Species of <i>Nereis</i> (Annelida: Polychaeta). I. Transport Kinetics and Net Uptake from Natural Concentrations. <i>Marine Ecology - Progress Series</i> , 1980, 3, 329-340.	1.9	15
62	Detection of aquatic streptomycetes by quantitative PCR for prediction of taste-and-odour episodes in water reservoirs. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2012, 61, 272-282.	1.4	14
63	Biomass of pelagic fungi in Baltic rivers. <i>Hydrobiologia</i> , 2009, 623, 105-112.	2.0	13
64	Relations between abundance of potential geosmin- and 2-MIB-producing organisms and concentrations of these compounds in water from three Australian reservoirs. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2016, 65, 504-513.	1.4	13
65	Grey water treatment in stacked multi-layer reactors with passive aeration and particle trapping. <i>Water Research</i> , 2019, 161, 181-190.	11.3	13
66	Testing the yield of a pilot-scale bubble column photobioreactor for cultivation of the microalga <i>Rhodomonas salina</i> as feed for intensive calanoid copepod cultures. <i>Aquaculture Research</i> , 2019, 50, 63-71.	1.8	13
67	Effect of probiotic and sand filtration treatments on water quality and growth of tilapia ( <i>Oreochromis niloticus</i> ) and pangas ( <i>Pangasianodon hypophthalmus</i> ) in earthen ponds of southern Bangladesh. <i>Journal of Applied Aquaculture</i> , 2016, 28, 199-212.	1.4	12
68	Organic Nitrogen. , 2009, , 832-851.		11
69	Dynamics of geosmin-producing bacteria in a full-scale saltwater recirculated aquaculture system. <i>Aquaculture</i> , 2019, 500, 170-177.	3.5	11
70	Monitoring of saxitoxin production in lakes in Denmark by molecular, chromatographic and microscopic approaches. <i>Harmful Algae</i> , 2021, 101, 101966.	4.8	11
71	Dissecting the role of viruses in marine nutrient cycling: bacterial uptake of D- and L-amino acids released by viral lysis. <i>Aquatic Microbial Ecology</i> , 2014, 73, 235-243.	1.8	11
72	Influence of Environmental Factors on Occurrence of Cyanobacteria and Abundance of Saxitoxin-Producing Cyanobacteria in a Subtropical Drinking Water Reservoir in Brazil. <i>Water (Switzerland)</i> , 2021, 13, 1716.	2.7	10

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73	Uptake of Amino Acids by Three Species of Nereis (Annelida: Polychaeta). II. Effects of Anaerobiosis. Marine Ecology - Progress Series, 1980, 3, 341-346.	1.9	10
74	Comparison of microbial trophic interactions in aquatic microcosms designed for the testing of introduced microorganisms. Environmental Toxicology and Chemistry, 1994, 13, 247-257.	4.3	8
75	Characterization of phytoplankton by pigment analysis and the detection of toxic cyanobacteria in reservoirs with aquaculture production. Aquaculture Environment Interactions, 2018, 10, 35-48.	1.8	8
76	Proteinase production in <i>Pseudomonas fluorescens</i> ON2 is affected by carbon sources and allows surface-attached but not planktonic cells to utilize protein for growth in lake water. FEMS Microbiology Ecology, 2012, 80, 168-178.	2.7	7
77	Geosmin fluctuations and potential hotspots for elevated levels in recirculated aquaculture system (RAS): A case study from pikeperch ( <i>Stizostedion lucioperca</i> ) production in Denmark. Aquaculture, 2020, 514, 734501.	3.5	7
78	Summer Inputs of Riverine Nutrients to the Baltic Sea: Bioavailability and Eutrophication Relevance. Ecological Monographs, 2002, 72, 579.	5.4	7
79	Contribution of Bacterial Cell Wall Components to DOM in Alkaline, Hypersaline Mono Lake, California. Geomicrobiology Journal, 2008, 25, 38-55.	2.0	6
80	Plankton composition and biomass development: a seasonal study of a semi-intensive outdoor system for rearing of turbot. Aquaculture Nutrition, 2016, 22, 1239-1250.	2.7	6
81	Occurrence of <i>Cyanobacteria</i> and microcystins in hydroelectric reservoirs used for fish farming. Journal of Water and Health, 2020, 18, 983-994.	2.6	6
82	Effect of Availability of Nitrogen Compounds on Community Structure of Aquatic Bacteria in Model Systems. Microbial Ecology, 2009, 57, 104-116.	2.8	5
83	Species-specific content of As, Pb, and other elements in pangas ( <i>Pangasianodon hypophthalmus</i> ) and tilapia ( <i>Oreochromis niloticus</i> ) from aquaculture ponds in southern Bangladesh. Aquaculture, 2014, 426-427, 85-87.	3.5	4
84	Copper bioavailability and impact on bacterial growth in flow-through rainbow trout aquaculture systems. Aquaculture, 2011, 322-323, 259-262.	3.5	3
85	Changes in free amino acid content during naupliar development of the Calanoid copepod <i>Acartia tonsa</i> . Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 210, 1-6.	1.8	3
86	Liquid scintillation counting can underestimate <sup>14</sup> C-activity of <sup>14</sup> CO <sub>2</sub> trapped in NaOH. Soil Biology and Biochemistry, 2022, 166, 108576.	8.8	3
87	Occurrence and heterotrophic turnover of dissolved free amino acids in the thermally stratified Lake Almind. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1984, 22, 785-789.	0.1	2
88	Specific activity. Significance in estimating release rates of extracellular dissolved organic carbon (EOC) by algae. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1985, 22, 2893-2897.	0.1	2
89	Evaluating the microbial effects of stocking freshwater snails ( <i>Physa gyrina</i> ) in water reuse systems culturing rainbow trout ( <i>Oncorhynchus mykiss</i> ). Journal of Applied Aquaculture, 2019, 31, 97-120.	1.4	1
90	Volatiles produced by <i>Streptomyces</i> spp. delay rot in apples caused by <i>Colletotrichum acutatum</i> . Current Research in Microbial Sciences, 2022, 3, 100121.	2.3	1

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91	Release of <i>Alcaligenes eutrophus</i> JMP134 and/or nutrients into seawater mesocosms: Fate of the introduced cells and effects on the ecosystem. <i>Water Research</i> , 1997, 31, 2820-2826.	11.3	0
92	Effects of traditional rainbow trout ( <i>Oncorhynchus mykiss</i> ) breeding on dissolved organic nitrogen pools and microbial activity in the water. <i>Aquaculture Research</i> , 2012, 44, 125-139.	1.8	0
93	Conidia-based fluorescence quantification of <i>Streptomyces</i> . <i>Journal of Microbiological Methods</i> , 2018, 153, 104-107.	1.6	0