## Connie Lovejoy

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1450122/publications.pdf

Version: 2024-02-01

136	10,606	53	96
papers	citations	h-index	g-index
1.45	1 4 5	1.45	0024
145	145	145	9934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genomic evidence of functional diversity in DPANN archaea, from oxic species to anoxic vampiristic consortia. ISME Communications, 2022, 2, .	1.7	15
2	A microbial perspective on the local influence of Arctic rivers and estuaries on Hudson Bay (Canada). Elementa, 2022, 10, .	1.1	7
3	Road Salt versus Urban Snow Effects on Lake Microbial Communities. Microorganisms, 2022, 10, 803.	1.6	4
4	Salinity tolerance mechanisms of an Arctic Pelagophyte using comparative transcriptomic and gene expression analysis. Communications Biology, 2022, 5, .	2.0	7
5	Protist communities along freshwater–marine transition zones in Hudson Bay (Canada). Elementa, 2021, 9, .	1.1	9
6	Genomic evidence for sulfur intermediates as new biogeochemical hubs in a model aquatic microbial ecosystem. Microbiome, 2021, 9, 46.	4.9	32
7	Two versions of short-term phytoplankton ecophysiology and taxonomic assemblages in the Arctic Ocean's North Water (Canada, Greenland). Journal of Plankton Research, 2021, 43, 126-141.	0.8	2
8	Changes in the Community Structure of Under-Ice and Open-Water Microbiomes in Urban Lakes Exposed to Road Salts. Frontiers in Microbiology, 2021, 12, 660719.	1.5	17
9	A decadal perspective on north water microbial eukaryotes as Arctic Ocean sentinels. Scientific Reports, 2021, 11, 8413.	1.6	10
10	The MALINA oceanographic expedition: how do changes in ice cover, permafrost and UV radiation impact biodiversity and biogeochemical fluxes in the Arctic Ocean?. Earth System Science Data, 2021, 13, 1561-1592.	3.7	11
11	Genomic diversity and <scp>CRISPRâ€Cas</scp> systems in the cyanobacterium <i>Nostoc</i> in the High Arctic. Environmental Microbiology, 2021, 23, 2955-2968.	1.8	7
12	Evidence of eutrophication in Arctic lakes. Arctic Science, 2021, 7, 859-871.	0.9	11
13	Environmental vulnerability of the global ocean epipelagic plankton community interactome. Science Advances, 2021, 7, .	4.7	54
14	Size-Fractionated Microbiome Structure in Subarctic Rivers and a Coastal Plume Across DOC and Salinity Gradients. Frontiers in Microbiology, 2021, 12, 760282.	1.5	9
15	Freshwater Microbial Eukaryotic Core Communities, Open-Water and Under-Ice Specialists in Southern Victoria Island Lakes (Ekaluktutiak, NU, Canada). Frontiers in Microbiology, 2021, 12, 786094.	1.5	3
16	Diversity and biogeography of SAR11 bacteria from the Arctic Ocean. ISME Journal, 2020, 14, 79-90.	4.4	35
17	Plankton of the Open Arctic Ocean. , 2020, , 495-506.		O
18	Ultraâ€small and abundant: Candidate phyla radiation bacteria are potential catalysts of carbon transformation in a thermokarst lake ecosystem. Limnology and Oceanography Letters, 2020, 5, 212-220.	1.6	38

#	Article	IF	Citations
19	Contrasting Winter Versus Summer Microbial Communities and Metabolic Functions in a Permafrost Thaw Lake. Frontiers in Microbiology, 2019, 10, 1656.	1.5	65
20	Microbial Community Structure and Methane Cycling Potential along a Thermokarst Pond-Peatland Continuum. Microorganisms, 2019, 7, 486.	1.6	13
21	Biodiversity and Species Change in the Arctic Ocean: A View Through the Lens of Nares Strait. Frontiers in Marine Science, 2019, 6, .	1.2	18
22	Nitrate Consumers in Arctic Marine Eukaryotic Communities: Comparative Diversities of 18S rRNA, 18S rRNA Genes, and Nitrate Reductase Genes. Applied and Environmental Microbiology, 2019, 85, .	1.4	14
23	Multiple Strategies for Light-Harvesting, Photoprotection, and Carbon Flow in High Latitude Microbial Mats. Frontiers in Microbiology, 2018, 9, 2881.	1.5	33
24	Molecular analyses of protists in long-term observation programmesâ€"current status and future perspectives. Journal of Plankton Research, 2018, 40, 519-536.	0.8	47
25	Need for focus on microbial species following ice melt and changing freshwater regimes in a Janus Arctic Gateway. Scientific Reports, 2018, 8, 9405.	1.6	26
26	Microbial connectivity and sorting in a High Arctic watershed. ISME Journal, 2018, 12, 2988-3000.	4.4	33
27	<i>Baffinella frigidus</i> gen. et sp. nov. (Baffinellaceae fam. nov., Cryptophyceae) from Baffin Bay: Morphology, pigment profile, phylogeny, and growth rate response to three abiotic factors. Journal of Phycology, 2018, 54, 665-680.	1.0	28
28	Editorial: Microbiology of the Rapidly Changing Polar Environments. Frontiers in Marine Science, 2018, 5, .	1.2	14
29	Genomic evidence for the degradation of terrestrial organic matter by pelagic Arctic Ocean Chloroflexi bacteria. Communications Biology, 2018, 1, 90.	2.0	81
30	Seasonal patterns in Arctic prasinophytes and inferred ecology of <i>Bathycoccus</i> unveiled in an Arctic winter metagenome. ISME Journal, 2017, 11, 1372-1385.	4.4	54
31	Host-derived viral transporter protein for nitrogen uptake in infected marine phytoplankton. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7489-E7498.	3.3	74
32	Hidden biofilms in a far northern lake and implications for the changing Arctic. Npj Biofilms and Microbiomes, 2017, 3, 17.	2.9	32
33	Microbial Community Structure and Interannual Change in the Last Epishelf Lake Ecosystem in the North Polar Region. Frontiers in Marine Science, 2017, 3, .	1.2	21
34	Seasonal and Interannual Changes in Ciliate and Dinoflagellate Species Assemblages in the Arctic Ocean (Amundsen Gulf, Beaufort Sea, Canada). Frontiers in Marine Science, 2017, 4, .	1.2	35
35	Diversity and potential activity of methanotrophs in high methane-emitting permafrost thaw ponds. PLoS ONE, 2017, 12, e0188223.	1.1	46
36	Phototrophic pigment diversity and picophytoplankton in permafrost thaw lakes. Biogeosciences, 2016, 13, 13-26.	1.3	27

#	Article	IF	CITATIONS
37	Co-occurrence patterns in aquatic bacterial communities across changing permafrost landscapes. Biogeosciences, 2016, 13, 175-190.	1.3	64
38	Microbial biogeography of permafrost thaw ponds across the changing northern landscape. Ecography, 2016, 39, 609-618.	2.1	55
39	Species-rich meta-communities of the diatom order Thalassiosirales in the Arctic and northern Atlantic Ocean. Journal of Plankton Research, 2016, 38, 781-797.	0.8	26
40	Environmental selection of planktonic methanogens in permafrost thaw ponds. Scientific Reports, 2016, 6, 31312.	1.6	25
41	Novel chytrid lineages dominate fungal sequences in diverse marine and freshwater habitats. Scientific Reports, 2016, 6, 30120.	1.6	143
42	Temperature effects on net greenhouse gas production and bacterial communities in arctic thaw ponds. FEMS Microbiology Ecology, 2016, 92, fiw117.	1.3	20
43	Potential for Local Fertilization: A Benthocosm Test of Long-Term and Short-Term Effects of Mussel Excretion on the Plankton. PLoS ONE, 2016, 11, e0156411.	1.1	4
44	Diversity of nitrogen assimilation pathways among microbial photosynthetic eukaryotes. Journal of Phycology, 2015, 51, 490-506.	1.0	27
45	Resilience and adjustments of surface sediment bacterial communities in an enclosed shallow coastal lagoon, Magdalen Islands, Gulf of St. Lawrence, Canada. FEMS Microbiology Ecology, 2015, 91, .	1.3	13
46	Biogeography of Heterotrophic Flagellate Populations Indicates the Presence of Generalist and Specialist Taxa in the Arctic Ocean. Applied and Environmental Microbiology, 2015, 81, 2137-2148.	1.4	38
47	Winter diversity and expression of proteorhodopsin genes in a polar ocean. ISME Journal, 2015, 9, 1835-1845.	4.4	22
48	Bacterial community structure across environmental gradients in permafrost thaw ponds: methanotroph-rich ecosystems. Frontiers in Microbiology, 2015, 6, 192.	1.5	88
49	Diversity of planktonic microorganisms in the Arctic Ocean. Progress in Oceanography, 2015, 139, 233-243.	1.5	52
50	Oceanographic structure drives the assembly processes of microbial eukaryotic communities. ISME Journal, 2015, 9, 990-1002.	4.4	115
51	The Marine Microbial Eukaryote Transcriptome Sequencing Project (MMETSP): Illuminating the Functional Diversity of Eukaryotic Life in the Oceans through Transcriptome Sequencing. PLoS Biology, 2014, 12, e1001889.	2.6	885
52	Late winter under ice pelagic microbial communities in the high Arctic Ocean and the impact of short-term exposure to elevated CO <sub>2</sub> levels. Frontiers in Microbiology, 2014, 5, 490.	1.5	21
53	Archaeal amoA and ureC genes and their transcriptional activity in the Arctic Ocean. Scientific Reports, 2014, 4, 4661.	1.6	41
54	Winter bloom of a rare betaproteobacterium in the Arctic Ocean. Frontiers in Microbiology, 2014, 5, 425.	1.5	43

#	Article	IF	Citations
55	Environmental selection of marine stramenopile clades in the Arctic Ocean and coastal waters. Polar Biology, 2014, 37, 347-357.	0.5	13
56	Phylogenetic Differences in Attached and Free-Living Bacterial Communities in a Temperate Coastal Lagoon during Summer, Revealed via High-Throughput 16S rRNA Gene Sequencing. Applied and Environmental Microbiology, 2014, 80, 2071-2083.	1.4	104
57	Phylogenetic diversity of eukaryotic marine microbial plankton on the Scotian Shelf Northwestern Atlantic Ocean. Journal of Plankton Research, 2014, 36, 344-363.	0.8	29
58	Bacterial communities and greenhouse gas emissions of shallow ponds in the High Arctic. Polar Biology, 2014, 37, 1669-1683.	0.5	30
59	Effects of light and prey availability on Arctic freshwater protist communities examined by high-throughput DNA and RNA sequencing. FEMS Microbiology Ecology, 2014, 88, 550-564.	1.3	62
60	Biodiversity and Biogeography of the Lower Trophic Taxa of the Pacific Arctic Region: Sensitivities to Climate Change., 2014,, 269-336.		32
61	Protists in Arctic drift and landâ€fast sea ice. Journal of Phycology, 2013, 49, 229-240.	1.0	65
62	Cyst–theca relationship of the arctic dinoflagellate cyst ⟨i⟩Islandinium minutum⟨/i⟩ (Dinophyceae) and phylogenetic position based on SSU rDNA and LSU rDNA. Journal of Phycology, 2013, 49, 848-866.	1.0	28
63	Small phytoplankton in Arctic seas: vulnerability to climate change. Biodiversity, 2013, 14, 2-18.	0.5	31
64	Upper Arctic Ocean water masses harbor distinct communities of heterotrophic flagellates. Biogeosciences, 2013, 10, 4273-4286.	1.3	33
65	Diversity and Distribution of Marine Microbial Eukaryotes. , 2013, , 1-5.		2
66	Pristine Antarctica: threats and protection. Antarctic Science, 2013, 25, 1-1.	0.5	12
67	Contrasting activity patterns determined by BrdU incorporation in bacterial ribotypes from the Arctic Ocean in winter. Frontiers in Microbiology, 2013, 4, 118.	1.5	14
68	Small Thaw Ponds: An Unaccounted Source of Methane in the Canadian High Arctic. PLoS ONE, 2013, 8, e78204.	1.1	68
69	Pole-to-pole biogeography of surface and deep marine bacterial communities. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17633-17638.	3.3	283
70	Role for urea in nitrification by polar marine Archaea. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17989-17994.	3.3	253
71	Metagenomic Analysis of Stress Genes in Microbial Mat Communities from Antarctica and the High Arctic. Applied and Environmental Microbiology, 2012, 78, 549-559.	1.4	181
72	Distance and Character-Based Evaluation of the V4 Region of the 18S rRNA Gene for the Identification of Diatoms (Bacillariophyceae). PLoS ONE, 2012, 7, e45664.	1.1	60

#	Article	IF	CITATIONS
73	Current state and trends in Canadian Arctic marine ecosystems: II. Heterotrophic food web, pelagic-benthic coupling, and biodiversity. Climatic Change, 2012, 115, 179-205.	1.7	99
74	Current state and trends in Canadian Arctic marine ecosystems: I. Primary production. Climatic Change, 2012, 115, 161-178.	1.7	92
75	Nitrogen fixation and identification of potential diazotrophs in the Canadian Arctic. Global Biogeochemical Cycles, 2012, 26, .	1.9	108
76	Effect of biofilm age on settlement of <i>Mytilus edulis </i> . Biofouling, 2012, 28, 985-1001.	0.8	54
77	Distribution and metabolism of dimethylsulfoniopropionate (DMSP) and phylogenetic affiliation of DMSPâ€assimilating bacteria in northern Baffin Bay/Lancaster Sound. Journal of Geophysical Research, 2012, 117, .	3.3	31
78	Benthic Cyanobacterial Mats in the High Arctic: Multi-Layer Structure and Fluorescence Responses to Osmotic Stress. Frontiers in Microbiology, 2012, 3, 140.	1.5	57
79	Pyrosequencing analysis of the protist communities in a High Arctic meromictic lake: DNA preservation and change. Frontiers in Microbiology, 2012, 3, 422.	1.5	61
80	Chrysophytes and other protists in High Arctic lakes: molecular gene surveys, pigment signatures and microscopy. Polar Biology, 2012, 35, 733-748.	0.5	72
81	Distribution and Diversity of a Protist Predator <i>Cryothecomonas</i> (Cercozoa) in Arctic Marine Waters. Journal of Eukaryotic Microbiology, 2012, 59, 291-299.	0.8	35
82	Eukaryotes in Arctic and Antarctic cyanobacterial mats. FEMS Microbiology Ecology, 2012, 82, 416-428.	1.3	52
83	Vertical distribution of microbial communities in a perennially stratified Arctic lake with saline, anoxic bottom waters. Scientific Reports, 2012, 2, 604.	1.6	114
84	Milne Fiord epishelf lake: A coastal Arctic ecosystem vulnerable to climate change. Ecoscience, 2011, 18, 304-316.	0.6	20
85	Distribution and microbial metabolism of dimethylsulfoniopropionate and dimethylsulfide during the 2007 Arctic ice minimum. Journal of Geophysical Research, $2011,116,\ldots$	3.3	30
86	Arctic Ocean Microbial Community Structure before and after the 2007 Record Sea Ice Minimum. PLoS ONE, 2011, 6, e27492.	1.1	386
87	Protist community composition during spring in an Arctic flaw lead polynya. Polar Biology, 2011, 34, 1901-1914.	0.5	60
88	Picoplankton diversity in the Arctic Ocean and surrounding seas. Marine Biodiversity, 2011, 41, 5-12.	0.3	30
89	Microbial eukaryotic distribution in a dynamic Beaufort Sea and the Arctic Ocean. Journal of Plankton Research, 2011, 33, 431-444.	0.8	84
90	Microbes in High Arctic Snow and Implications for the Cold Biosphere. Applied and Environmental Microbiology, 2011, 77, 3234-3243.	1.4	190

#	Article	IF	CITATIONS
91	Microbial dimethylsulfoniopropionate (DMSP) dynamics along a natural iron gradient in the northeast subarctic Pacific. Limnology and Oceanography, 2010, 55, 1614-1626.	1.6	32
92	Global distribution of cyanobacterial ecotypes in the cold biosphere. ISME Journal, 2010, 4, 191-202.	4.4	194
93	Hydrography shapes bacterial biogeography of the deep Arctic Ocean. ISME Journal, 2010, 4, 564-576.	4.4	179
94	The structure of bacterial communities in the western Arctic Ocean as revealed by pyrosequencing of 16S rRNA genes. Environmental Microbiology, 2010, 12, 1132-1143.	1.8	223
95	Metagenomic profiling of Arctic microbial mat communities as nutrient scavenging and recycling systems. Limnology and Oceanography, 2010, 55, 1901-1911.	1.6	81
96	From Sea to Sea: Canada's Three Oceans of Biodiversity. PLoS ONE, 2010, 5, e12182.	1.1	81
97	Morphological and molecular characteristics of selected species of <i>Minidiscus &lt; /i&gt; (Bacillariophyta, Thalassiosiraceae). European Journal of Phycology, 2009, 44, 461-475.</i>	0.9	25
98	Importance of particle-associated bacterial heterotrophy in a coastal Arctic ecosystem. Journal of Marine Systems, 2009, 75, 185-197.	0.9	101
99	Unique archaeal assemblages in the Arctic Ocean unveiled by massively parallel tag sequencing. ISME Journal, 2009, 3, 860-869.	4.4	163
100	PCRâ∈Based Diversity Estimates of Artificial and Environmental 18S rRNA Gene Libraries. Journal of Eukaryotic Microbiology, 2009, 56, 174-181.	0.8	77
101	Archaeal diversity and a gene for ammonia oxidation are coupled to oceanic circulation. Environmental Microbiology, 2009, 11, 971-980.	1.8	77
102	Vertical structure of archaeal communities and the distribution of ammonia monooxygenase A gene variants in two meromictic High Arctic lakes. Environmental Microbiology, 2009, 11, 687-699.	1.8	97
103	Arctic microbial ecosystems and impacts of extreme warming during the International Polar Year. Polar Science, 2009, 3, 171-180.	0.5	55
104	Smallest Algae Thrive As the Arctic Ocean Freshens. Science, 2009, 326, 539-539.	6.0	624
105	Ecology of the rare microbial biosphere of the Arctic Ocean. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22427-22432.	3.3	488
106	Mesopelagic protists: diversity and succession in a coastal Arctic ecosystem. Aquatic Microbial Ecology, 2009, 56, 25-39.	0.9	50
107	Metabolic diversity of heterotrophic bacterioplankton over winter and spring in the coastal Arctic Ocean. Environmental Microbiology, 2008, 10, 942-949.	1.8	68
108	Impact of suspended mussels (Mytilus edulis L.) on plankton communities in a Magdalen Islands lagoon (Québec, Canada): A mesocosm approach. Journal of Experimental Marine Biology and Ecology, 2008, 365, 103-115.	0.7	54

#	Article	IF	Citations
109	Microbial food web responses to light and nutrients beneath the coastal Arctic Ocean sea ice during the winter–spring transition. Journal of Marine Systems, 2008, 74, 964-977.	0.9	35
110	Heterogeneous archaeal communities in the particle-rich environment of an arctic shelf ecosystem. Journal of Marine Systems, 2008, 74, 774-782.	0.9	61
111	Influence of suspended mussel farming on planktonic communities in Grande-Entrée Lagoon, Magdalen Islands (Québec, Canada). Aquaculture, 2008, 276, 91-102.	1.7	32
112	Seasonal dynamics of bacterial biomass and production in a coastal arctic ecosystem: Franklin Bay, western Canadian Arctic. Journal of Geophysical Research, 2008, 113, .	3.3	98
113	Seasonal changes in planktonic bacterivory rates under the ice-covered coastal Arctic Ocean. Limnology and Oceanography, 2008, 53, 2427-2438.	1.6	58
114	Microbial community diversity and heterotrophic production in a coastal Arctic ecosystem: A stamukhi lake and its source waters. Limnology and Oceanography, 2008, 53, 813-823.	1.6	88
115	Water masses and biogeography of picoeukaryote assemblages in a cold hydrographically complex system. Limnology and Oceanography, 2008, 53, 922-935.	1.6	86
116	Picobiliphytes: A Marine Picoplanktonic Algal Group with Unknown Affinities to Other Eukaryotes. Science, 2007, 315, 253-255.	6.0	202
117	Microbiology in Polar Oceans. Oceanography, 2007, 20, 140-145.	0.5	44
118	DISTRIBUTION, PHYLOGENY, AND GROWTH OF COLD-ADAPTED PICOPRASINOPHYTES IN ARCTIC SEAS. Journal of Phycology, 2007, 43, 78-89.	1.0	296
119	Importance of heterotrophic planktonic communities in a mussel culture environment: the Grande Entrée lagoon, Magdalen Islands (Québec, Canada). Marine Biology, 2007, 151, 377-392.	0.7	33
120	Distribution and abundance of uncultured heterotrophic flagellates in the world oceans. Environmental Microbiology, 2006, 8, 1515-1522.	1.8	219
121	Trophic structure and pathways of biogenic carbon flow in the eastern North Water Polynya. Progress in Oceanography, 2006, 71, 402-425.	1.5	71
122	Diversity and Distribution of Marine Microbial Eukaryotes in the Arctic Ocean and Adjacent Seas. Applied and Environmental Microbiology, 2006, 72, 3085-3095.	1.4	258
123	Carbon to nitrogen (C:N) stoichiometry of the spring–summer phytoplankton bloom in the North Water Polynya (NOW). Deep-Sea Research Part I: Oceanographic Research Papers, 2005, 52, 2301-2314.	0.6	30
124	Spatial and temporal variability of the phytoplankton community structure in the North Water Polynya, investigated using pigment biomarkers. Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 2038-2052.	0.7	44
125	Bipolar distribution of the cyst-forming dinoflagellate Polarella glacialis. Polar Biology, 2003, 26, 186-194.	0.5	120
126	Water column interleaving: A new physical mechanism determining protist communities and bacterial states. Limnology and Oceanography, 2002, 47, 1819-1831.	1.6	25

#	Article	IF	CITATIONS
127	Physical control of spring–summer phytoplankton dynamics in the North Water, April–July 1998. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 4959-4982.	0.6	52
128	Distribution of phytoplankton and other protists in the North Water. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 5027-5047.	0.6	130
129	Vernal distribution of dimethylsulphide, dimethylsulphoniopropionate, and dimethylsulphoxide in the North Water in 1998. Deep-Sea Research Part II: Topical Studies in Oceanography, 2002, 49, 5171-5189.	0.6	53
130	Dissolved organic carbon in the Gulf of St. Lawrence. Deep-Sea Research Part II: Topical Studies in Oceanography, 2000, 47, 435-459.	0.6	28
131	Growth and distribution of marine bacteria in relation to nanoplankton community structure.  Deep-Sea Research Part II: Topical Studies in Oceanography, 2000, 47, 461-487.	0.6	21
132	Sediment trap observations from the Gulf of St. Lawrence and the continental margin of eastern Canada. Deep-Sea Research Part II: Topical Studies in Oceanography, 2000, 47, 545-583.	0.6	22
133	Export of biogenic carbon and structure and dynamics of the pelagic food web in the Gulf of St. Lawrence Part 1. Seasonal variations. Deep-Sea Research Part II: Topical Studies in Oceanography, 2000, 47, 585-607.	0.6	32
134	Algicidal Effects of a Novel Marine <i>Pseudoalteromonas</i> Isolate (Class <i>Proteobacteria</i> ,) Tj ETQq0 0 ( <i>Gymnodinium</i> , and <i>Heterosigma</i> . Applied and Environmental Microbiology, 1998, 64, 2806-2813.	O rgBT /Ov 1.4	verlock 10 Tf 5 225
135	Microbial gradients in a turbid estuary: Application of a new method for protozoan community analysis. Limnology and Oceanography, 1993, 38, 1295-1303.	1.6	52
136	Polar Marine Microbiology., 0,, 201-217.		3