Corina P D Brussaard

List of Publications by Year
in descending order

75 papers	6,420 citations	109321 35 h-index	76900 74 g-index
77 all docs	77 docs citations	77 times ranked	6197 citing authors

#	Article	IF	Citations
1	Shift from Carbon Flow through the Microbial Loop to the Viral Shunt in Coastal Antarctic Waters during Austral Summer. Microorganisms, 2021, 9, 460.	3.6	14
2	Viral lysis modifies seasonal phytoplankton dynamics and carbon flow in the Southern Ocean. ISME Journal, 2021, 15, 3615-3622.	9.8	33
3	Resilience of Microbial Communities after Hydrogen Peroxide Treatment of a Eutrophic Lake to Suppress Harmful Cyanobacterial Blooms. Microorganisms, 2021, 9, 1495.	3.6	20
4	Spring Accumulation Rates in North Atlantic Phytoplankton Communities Linked to Alterations in the Balance Between Division and Loss. Frontiers in Microbiology, 2021, 12, 706137.	3.5	5
5	Solar radiation and solar radiation driven cycles in warming and freshwater discharge control seasonal and interâ€annual phytoplankton chlorophyll <i>a</i> and taxonomic composition in a high Arctic fjord (Kongsfjorden, Spitsbergen). Limnology and Oceanography, 2021, 66, 1221-1236.	3.1	7
6	Effects of UV Radiation on the Chlorophyte Micromonas polaris Hostâ€“Virus Interactions and MpoV-45T Virus Infectivity. Microorganisms, 2021, 9, 2429.	3.6	3
7	Plasticity in dormancy behaviour of Calanoides acutus in Antarctic coastal waters. ICES Journal of Marine Science, 2020, 77, 1738-1751.	2.5	2
8	Significance of Viral Activity for Regulating Heterotrophic Prokaryote Community Dynamics along a Meridional Gradient of Stratification in the Northeast Atlantic Ocean. Viruses, 2020, 12, 1293.	3.3	12
9	Warming advances virus population dynamics in a temperate freshwater plankton community. Limnology and Oceanography Letters, 2020, 5, 295-304.	3.9	7
10	Marine virus predation by non-host organisms. Scientific Reports, 2020, 10, 5221.	3.3	25
11	Validation of Stratification-Driven Phytoplankton Biomass and Nutrient Concentrations in the Northeast Atlantic Ocean as Simulated by EC-Earth. Geosciences (Switzerland), 2019, 9, 450.	2.2	2
12	Cyanophage Propagation in the Freshwater Cyanobacterium Phormidium Is Constrained by Phosphorus Limitation and Enhanced by Elevated pCO2. Frontiers in Microbiology, 2019, 10, 617.	3.5	20
13	An empirical model of carbon flow through marine viruses and microzooplankton grazers. Environmental Microbiology, 2019, 21, 2171-2181.	3.8	35
14	Sediments from Arctic Tide-Water Glaciers Remove Coastal Marine Viruses and Delay Host Infection. Viruses, 2019, 11, 123.	3.3	19
15	<i>Cylindrospermopsis raciborskii</i> Virus and host: genomic characterization and ecological relevance. Environmental Microbiology, 2019, 21, 1942-1956.	3.8	16
16	Influence of Irradiance and Temperature on the Virus MpoV-45T Infecting the Arctic Picophytoplankter Micromonas polaris. Viruses, 2018, 10, 676.	3.3	18
17	A quest for the biological sources of long chain alkyl diols in the western tropical North Atlantic Ocean. Biogeosciences, 2018, 15, 5951-5968.	3.3	30
18	Quantitative Infection Dynamics of Cafeteria Roenbergensis Virus. Viruses, 2018, 10, 468.	3.3	6

#	Article	IF	Citations
19	Contrasting glacial meltwater effects on post-bloom phytoplankton on temporal and spatial scales in Kongsfjorden, Spitsbergen. Elementa, 2018, 6, .	3.2	21
20	A biosynthesis view on nutrient stress in coastal phytoplankton. Limnology and Oceanography, 2017, 62, 490-506.	3.1	20
21	Drivers of interannual variability in virioplankton abundance at the coastal western <scp>A</scp>ntarctic peninsula and the potential effects of climate change. Environmental Microbiology, 2017, 19, 740-755.	3.8	27
22	The interactive microbial ocean. Nature Microbiology, 2017, 2, 16255.	13.3	15
23	Phaeocystis globosa Virus DNA Polymerase X: a â€œSwiss Army knifeâ€; Multifunctional DNA polymerase-lyase-ligase for Base Excision Repair. Scientific Reports, 2017, 7, 6907.	3.3	5
24	Marine viruses discovered via metagenomics shed light on viral strategies throughout the oceans. Nature Communications, 2017, 8, 15955.	12.8	231
25	Characterization and Temperature Dependence of Arctic Micromonas polaris Viruses. Viruses, 2017, 9, 134.	3.3	59
26	Marine Viruses: Key Players in Marine Ecosystems. Viruses, 2017, 9, 302.	3.3	78
27	Alterations in microbial community composition with increasing <i>f</i>CO₂: a mesocosm study in the eastern Baltic Sea. Biogeosciences, 2017, 14, 3831-3849.	3.3	17
28	Ocean acidification impacts bacteriaâ€"phytoplankton coupling at low-nutrient conditions. Biogeosciences, 2017, 14, 1-15.	3.3	35
29	Effect of ocean acidification and elevated <i>f</i>CO₂ on trace gas production by a Baltic Sea summer phytoplankton community. Biogeosciences, 2016, 13, 4595-4613.	3.3	20
30	Effects of ocean acidification on pelagic carbon fluxes in a mesocosm experiment. Biogeosciences, 2016, 13, 6081-6093.	3.3	18
31	Phytoplankton Virus Production Negatively Affected by Iron Limitation. Frontiers in Marine Science, 2016, 3, .	2.5	16
32	Combined Phosphorus Limitation and Light Stress Prevent Viral Proliferation in the Phytoplankton Species Phaeocystis globosa, but Not in Micromonas pusilla. Frontiers in Marine Science, 2016, 3, .	2.5	21
33	Immediate ecotoxicological effects of short-lived oil spills on marine biota. Nature Communications, 2016, 7, 11206.	12.8	120
34	Unbalanced reduction of nutrient loads has created an offshore gradient from phosphorus to nitrogen limitation in the <scp>N</scp>orth <scp>S</scp>ea. Limnology and Oceanography, 2016, 61, 869-888.	3.1	125
35	Re-examination of the relationship between marine virus and microbial cell abundances. Nature Microbiology, 2016, 1, 15024.	13.3	264
36	Virus production in phosphorus-limited<i>Micromonas pusilla</i>stimulated by a supply of naturally low concentrations of different phosphorus sources, far into the lytic cycle. FEMS Microbiology Ecology, 2016, 92, fiw136.	2.7	23

#	Article	IF	Citations
37	Latitudinal variation in virus-induced mortality of phytoplankton across the North Atlantic Ocean. ISME Journal, 2016, 10, 500-513.	9.8	103
38	Phytoplankton community structure in relation to vertical stratification along a northâ€south gradient in the <scp>N</scp>ortheast <scp>A</scp>tlantic <scp>O</scp>cean. Limnology and Oceanography, 2015, 60, 1498-1521.	3.1	51
39	Disruption of photoautotrophic intertidal mats by filamentous fungi. Environmental Microbiology, 2015, 17, 2910-2921.	3.8	13
40	Counting Viruses and Bacteria in Photosynthetic Microbial Mats. Applied and Environmental Microbiology, 2015, 81, 2149-2155.	3.1	34
41	Substrates specialization in lipid compounds and hydrocarbons of Marinobacter genus. Environmental Science and Pollution Research, 2015, 22, 15347-15359.	5.3	36
42	Microscale spatial distributions of microbes and viruses in intertidal photosynthetic microbial mats. SpringerPlus, 2015, 4, 239.	1.2	20
43	Elevated CO ₂ and Phosphate Limitation Favor Micromonas pusilla through Stimulated Growth and Reduced Viral Impact. Applied and Environmental Microbiology, 2014, 80, 3119-3127.	3.1	71
44	Responses of the coastal bacterial community to viral infection of the algae <i>Phaeocystis globosa</i>. ISME Journal, 2014, 8, 212-225.	9.8	68
45	Factors affecting virus dynamics and microbial host-virus interactions in marine environments. FEMS Microbiology Ecology, 2014, 89, 495-515.	2.7	209
46	First Day of an Oil Spill on the Open Sea: Early Mass Transfers of Hydrocarbons to Air and Water. Environmental Science & Technology, 2014, 48, 9400-9411.	10.0	78
47	Genome of <i>Phaeocystis globosa</i> virus PgV-16T highlights the common ancestry of the largest known DNA viruses infecting eukaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10800-10805.	7.1	178
48	Viral lysis of Micromonas pusilla: impacts on dissolved organic matter production and composition. Biogeochemistry, 2013, 116, 231-240.	3.5	72
49	Microbial biogeography of the North Sea during summer. Biogeochemistry, 2013, 113, 119-136.	3.5	8
50	Regional Variation in Lytic and Lysogenic Viral Infection in the Southern Ocean and Its Contribution to Biogeochemical Cycling. Applied and Environmental Microbiology, 2012, 78, 6741-6748.	3.1	81
51	Spatial distribution of intact polar lipids in North Sea surface waters: Relationship with environmental conditions and microbial community composition. Limnology and Oceanography, 2012, 57, 959-973.	3.1	38
52	Central Role of Dynamic Tidal Biofilms Dominated by Aerobic Hydrocarbonoclastic Bacteria and Diatoms in the Biodegradation of Hydrocarbons in Coastal Mudflats. Applied and Environmental Microbiology, 2012, 78, 3638-3648.	3.1	90
53	Viral lysis and microzooplankton grazing of phytoplankton throughout the Southern Ocean. Limnology and Oceanography, 2012, 57, 1826-1837.	3.1	30
54	FLOW CYTOMETRIC APPLICABILITY OF FLUORESCENT VITALITY PROBES ON PHYTOPLANKTON1. Journal of Phycology, 2011, 47, 692-702.	2.3	79

#	Article	IF	Citations
55	Viralâ€mediated lysis of microbes and carbon release in the subâ€Antarctic and Polar Frontal zones of the Australian Southern Ocean. Environmental Microbiology, 2009, 11, 2924-2934.	3.8	81
56	Global-scale processes with a nanoscale drive: the role of marine viruses. ISME Journal, 2008, 2, 575-578.	9.8	226
57	INFLUENCE OF IRRADIANCE ON VIRUSâ€“ALGAL HOST INTERACTIONS¹. Journal of Phycology, 2008, 44, 902-908.	2.3	33
58	Temporal variation in freshwater viral and bacterial community composition. Freshwater Biology, 2008, 53, 1163-1175.	2.4	41
59	Viruses as mortality agents of picophytoplankton in the deep chlorophyll maximum layer during IRONAGES III. Limnology and Oceanography, 2007, 52, 2519-2529.	3.1	70
60	Effect of natural iron fertilization on carbon sequestration in the Southern Ocean. Nature, 2007, 446, 1070-1074.	27.8	707
61	Phaeocystis and its interaction with viruses. Biogeochemistry, 2007, 83, 201-215.	3.5	57
62	Phaeocystis and its interaction with viruses. , 2007, , 201-215.		5
63	Micromonas pusilla reovirus: a new member of the family Reoviridae assigned to a novel proposed genus (Mimoreovirus). Journal of General Virology, 2006, 87, 1375-1383.	2.9	57
64	Virus-Specific Responses of Heterosigma akashiwo to Infection. Applied and Environmental Microbiology, 2006, 72, 7829-7834.	3.1	38
65	A mesocosm study of Phaeocystis globosa (Prymnesiophyceae) population dynamics. Harmful Algae, 2005, 4, 875-893.	4.8	103
66	A mesocosm study of Phaeocystis globosa population dynamics. Harmful Algae, 2005, 4, 859-874.	4.8	163
67	Isolation and Phylogenetic Analysis of Novel Viruses Infecting the Phytoplankton Phaeocystis globosa (Prymnesiophyceae). Applied and Environmental Microbiology, 2004, 70, 3700-3705.	3.1	83
68	Optimization of Procedures for Counting Viruses by Flow Cytometry. Applied and Environmental Microbiology, 2004, 70, 1506-1513.	3.1	605
69	Viral Control of Phytoplankton Populationsâ€"a Review¹. Journal of Eukaryotic Microbiology, 2004, 51, 125-138.	1.7	425
70	CELL CYCLE DEPENDENT VIRUS PRODUCTION IN MARINE PHYTOPLANKTON1. Journal of Phycology, 2002, 38, 338-343.	2.3	24
71	Enumeration of Marine Viruses in Culture and Natural Samples by Flow Cytometry. Applied and Environmental Microbiology, 1999, 65, 45-52.	3.1	578
72	FLOW CYTOMETRIC ANALYSES OF VIRAL INFECTION IN TWO MARINE PHYTOPLANKTON SPECIES, MICROMONAS PUSILLA (PRASINOPHYCEAE) AND PHAEOCYSTIS POUCHETII (PRYMNESIOPHYCEAE). Journal of Phycology, 1999, 35, 941-948.	2.3	79

#	Article	IF	Citations
73	Enumeration of Phytoplankton, Bacteria, and Viruses in Marine Samples. Current Protocols in Cytometry, 1999, 10, Unit 11.11.	3.7	203
74	AUTOLYSIS KINETICS OF THE MARINE DIATOM DITYLUM BRIGHTWELLII (BACILLARIOPHYCEAE) UNDER NITROGEN AND PHOSPHORUS LIMITATION AND STARVATION1. Journal of Phycology, 1997, 33, 980-987.	2.3	83
75	Quantification of aquatic viruses by flow cytometry. , 0, , 102-109.		95