Gerhard J Herndl

List of Publications by Year
in descending order

238	22,672	9756	73	10127	140
papers	citations		h-index		g-index

254	254	254	16196
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prokaryotic Life in the Deep Ocean's Water Column. Annual Review of Marine Science, 2023, 15, 461-483.	5.1	20
2	Phylogenetically and functionally diverse microorganisms reside under the Ross Ice Shelf. Nature Communications, 2022, 13, 117.	5.8	17
3	Microbial Consortiums of Putative Degraders of Low-Density Polyethylene-Associated Compounds in the Ocean. MSystems, 2022, 7, e0141521.	1.7	7
4	Phylogeny and Metabolic Potential of the Candidate Phylum SAR324. Biology, 2022, 11, 599.	1.3	8
5	Extracellular Enzymatic Activities of Oceanic Pelagic Fungal Strains and the Influence of Temperature. Journal of Fungi (Basel, Switzerland), 2022, 8, 571.	1.5	4
6	Recognizing the complexity of soil organic carbon dynamics in vegetated coastal habitats. Global Change Biology, 2021, 27, 3-4.	4.2	1
7	What Is Refractory Organic Matter in the Ocean?. Frontiers in Marine Science, 2021, 8, .	1.2	31
8	The importance of jellyfishâ€“microbe interactions for biogeochemical cycles in the ocean. Limnology and Oceanography, 2021, 66, 2011-2032.	1.6	20
9	Correcting a major error in assessing organic carbon pollution in natural waters. Science Advances, 2021, 7, .	4.7	37
10	Enzyme promiscuity in natural environments: alkaline phosphatase in the ocean. ISME Journal, 2021, 15, 3375-3383.	4.4	30
11	Selective DNA and Protein Isolation From Marine Macrophyte Surfaces. Frontiers in Microbiology, 2021, 12, 665999.	1.5	3
12	Potential and expression of carbohydrate utilization by marine fungi in the global ocean. Microbiome, 2021, 9, 106.	4.9	28
13	Reviews and syntheses: Heterotrophic fixation of inorganic carbon â€“ significant but invisible flux in environmental carbon cycling. Biogeosciences, 2021, 18, 3689-3700.	1.3	37
14	Adapting an Ergosterol Extraction Method with Marine Yeasts for the Quantification of Oceanic Fungal Biomass. Journal of Fungi (Basel, Switzerland), 2021, 7, 690.	1.5	8
15	Microbes mediating the sulfur cycle in the Atlantic Ocean and their link to chemolithoautotrophy. Environmental Microbiology, 2021, 23, 7152-7167.	1.8	3
16	Seasonal Dynamics of Epiphytic Microbial Communities on Marine Macrophyte Surfaces. Frontiers in Microbiology, 2021, 12, 671342.	1.5	11
17	Seasonality combined with the orientation of surfaces influences the microbial community structure of biofilms in the deep Mediterranean Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2020, 171, 104703.	0.6	7
18	Functional Seasonality of Free-Living and Particle-Associated Prokaryotic Communities in the Coastal Adriatic Sea. Frontiers in Microbiology, 2020, 11, 584222.	1.5	9

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19	Microbial Processing of Jellyfish Detritus in the Ocean. Frontiers in Microbiology, 2020, 11, 590995.	1.5	19
20	Nitrogen Isotope Fractionation During Archaeal Ammonia Oxidation: Coupled Estimates From Measurements of Residual Ammonium and Accumulated Nitrite. Frontiers in Microbiology, 2020, 11, 1710.	1.5	10
21	Mesozooplankton taurine production and prokaryotic uptake in the northern Adriatic Sea. Limnology and Oceanography, 2020, 65, 2730-2747.	1.6	4
22	Putative degraders of lowâ€density polyethyleneâ€derived compounds are ubiquitous members of plasticâ€associated bacterial communities in the marine environment. Environmental Microbiology, 2020, 22, 4779-4793.	1.8	21
23	Nitrifier adaptation to low energy flux controls inventory of reduced nitrogen in the dark ocean. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4823-4830.	3.3	72
24	Hiding in Plain Sight: The Globally Distributed Bacterial Candidate Phylum PAUC34f. Frontiers in Microbiology, 2020, 11, 376.	1.5	5
25	Linking extracellular enzymes to phylogeny indicates a predominantly particle-associated lifestyle of deep-sea prokaryotes. Science Advances, 2020, 6, eaaz4354.	4.7	63
26	Relative Importance of Phosphodiesterase vs. Phosphomonoesterase (Alkaline Phosphatase) Activities for Dissolved Organic Phosphorus Hydrolysis in Epi- and Mesopelagic Waters. Frontiers in Earth Science, 2020, 8, .	0.8	12
27	Effects of the Invasion of Caulerpa cylindracea in a Cymodocea nodosa Meadow in the Northern Adriatic Sea. Frontiers in Marine Science, 2020, 7, .	1.2	5
28	Dynamics of environmental conditions during the decline of a <i>Cymodocea nodosa</i> meadow. Biogeosciences, 2020, 17, 3299-3315.	1.3	6
29	Highly variable mRNA halfâ€life time within marine bacterial taxa and functional genes. Environmental Microbiology, 2019, 21, 3873-3884.	1.8	21
30	Seasonal dynamics of marine snowâ€associated and freeâ€living demethylating bacterial communities in the coastal northern Adriatic Sea. Environmental Microbiology Reports, 2019, 11, 699-707.	1.0	19
31	Ammoniaâ€oxidizing archaea release a suite of organic compounds potentially fueling prokaryotic heterotrophy in the ocean. Environmental Microbiology, 2019, 21, 4062-4075.	1.8	71
32	Towards Integrating Evolution, Metabolism, and Climate Change Studies of Marine Ecosystems. Trends in Ecology and Evolution, 2019, 34, 1022-1033.	4.2	28
33	Viral Communities in the Global Deep Ocean Conveyor Belt Assessed by Targeted Viromics. Frontiers in Microbiology, 2019, 10, 1801.	1.5	21
34	Niche Differentiation of Aerobic and Anaerobic Ammonia Oxidizers in a High Latitude Deep Oxygen Minimum Zone. Frontiers in Microbiology, 2019, 10, 2141.	1.5	44
35	Uneven host cell growth causes lysogenic virus induction in the Baltic Sea. PLoS ONE, 2019, 14, e0220716.	1.1	4
36	Taurine Is a Major Carbon and Energy Source for Marine Prokaryotes in the North Atlantic Ocean off the Iberian Peninsula. Microbial Ecology, 2019, 78, 299-312.	1.4	59

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37	Resolving the paradox: Continuous cell-free alkaline phosphatase activity despite high phosphate concentrations. Marine Chemistry, 2019, 214, 103671.	0.9	18
38	Proteomic Response of Three Marine Ammonia-Oxidizing Archaea to Hydrogen Peroxide and Their Metabolic Interactions with a Heterotrophic Alphaproteobacterium. MSystems, 2019, 4, .	1.7	57
39	Global Structuring of Phylogenetic and Functional Diversity of Pelagic Fungi by Depth and Temperature. Frontiers in Marine Science, 2019, 6, .	1.2	39
40	The composition of bacterial communities associated with plastic biofilms differs between different polymers and stages of biofilm succession. PLoS ONE, 2019, 14, e0217165.	1.1	190
41	Jellyfish-Associated Microbiome in the Marine Environment: Exploring Its Biotechnological Potential. Marine Drugs, 2019, 17, 94.	2.2	39
42	Ideas and perspectives: Is dark carbon fixation relevant for oceanic primary production estimates?. Biogeosciences, 2019, 16, 3793-3799.	1.3	36
43	Estimating Carbon Flux From Optically Recording Total Particle Volume at Depths Below the Primary Pycnocline. Frontiers in Marine Science, 2019, 6, .	1.2	2
44	Differential Response of Cafeteria roenbergensis to Different Bacterial and Archaeal Prey Characteristics. Microbial Ecology, 2019, 78, 1-5.	1.4	16
45	Nitrosopumilus adriaticus sp. nov. and Nitrosopumilus piranensis sp. nov., two ammonia-oxidizing archaea from the Adriatic Sea and members of the class Nitrososphaeria. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 1892-1902.	0.8	64
46	Dissolved organic carbon leaching from plastics stimulates microbial activity in the ocean. Nature Communications, 2018, 9, 1430.	5.8	402
47	Mixing alters the lytic activity of viruses in the dark ocean. Ecology, 2018, 99, 700-713.	1.5	14
48	Organic matter processing by microbial communities throughout the Atlantic water column as revealed by metaproteomics. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E400-E408.	3.3	146
49	Metagenomic insights into zooplanktonâ€associated bacterial communities. Environmental Microbiology, 2018, 20, 492-505.	1.8	57
50	High dark inorganic carbon fixation rates by specific microbial groups in the Atlantic off the Galician coast (NW Iberian margin). Environmental Microbiology, 2018, 20, 602-611.	1.8	22
51	Host Differentiation and Compartmentalization of Microbial Communities in the Azooxanthellate Cupcorals Tubastrea coccinea and Rhizopsammia goesi in the Caribbean. Frontiers in Marine Science, 2018, 5, .	1.2	25
52	Seasonal variations in extracellular enzymatic activity in marine snow-associated microbial communities and their impact on the surrounding water. FEMS Microbiology Ecology, 2018, 94, .	1.3	15
53	Dialysis Bag Incubation as a Nonradiolabeling Technique to Estimate Bacterioplankton Production In Situ. , 2018, , 553-556.		3
54	Microbiome variation in corals with distinct depth distribution ranges across a shallowâ€“mesophotic gradient (15â€“85Âm). Coral Reefs, 2017, 36, 447-452.	0.9	34

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55	SAR202 Genomes from the Dark Ocean Predict Pathways for the Oxidation of Recalcitrant Dissolved Organic Matter. MBio, 2017, 8, .	1.8	168
56	Chemotaxonomic characterisation of the thaumarchaeal lipidome. Environmental Microbiology, 2017, 19, 2681-2700.	1.8	117
57	Crustacean zooplankton release copious amounts of dissolved organic matter as taurine in the ocean. Limnology and Oceanography, 2017, 62, 2745-2758.	1.6	44
58	Major role of nitrite-oxidizing bacteria in dark ocean carbon fixation. Science, 2017, 358, 1046-1051.	6.0	229
59	Extracting DNA from ocean microplastics: a method comparison study. Analytical Methods, 2017, 9, 1521-1526.	1.3	46
60	Eukaryotic microbes, principally fungi and labyrinthulomycetes, dominate biomass on bathypelagic marine snow. ISME Journal, 2017, 11, 362-373.	4.4	169
61	High viral abundance as a consequence of low viral decay in the Baltic Sea redoxcline. PLoS ONE, 2017, 12, e0178467.	1.1	12
62	Depth Dependent Relationships between Temperature and Ocean Heterotrophic Prokaryotic Production. Frontiers in Marine Science, 2016, 3, .	1.2	37
63	Geographic Distribution of Archaeal Ammonia Oxidizing Ecotypes in the Atlantic Ocean. Frontiers in Microbiology, 2016, 7, 77.	1.5	84
64	Prokaryotic Responses to Ammonium and Organic Carbon Reveal Alternative CO2 Fixation Pathways and Importance of Alkaline Phosphatase in the Mesopelagic North Atlantic. Frontiers in Microbiology, 2016, 7, 1670.	1.5	47
65	Connectivity between surface and deep waters determines prokaryotic diversity in the North Atlantic Deep Water. Environmental Microbiology, 2016, 18, 2052-2063.	1.8	58
66	Dimethylsulfoniopropionate in corals and its interrelations with bacterial assemblages in coral surface mucus. Environmental Chemistry, 2016, 13, 252.	0.7	28
67	Springtime dynamics, productivity and activity of prokaryotes in two Arctic fjords. Polar Biology, 2016, 39, 1749-1763.	0.5	21
68	Largeâ€scale distribution of microbial and viral populations in the <scp>S</scp>outh <scp>A</scp>tlantic <scp>O</scp>cean. Environmental Microbiology Reports, 2016, 8, 305-315.	1.0	38
69	Erythromycin and GC7 fail as domain-specific inhibitors for bacterial and archaeal activity in the open ocean. Aquatic Microbial Ecology, 2016, 77, 99-110.	0.9	2
70	Dragon kings of the deep sea: marine particles deviate markedly from the common number-size spectrum. Scientific Reports, 2016, 6, 22633.	1.6	58
71	The microbiome of coral surface mucus has a key role in mediating holobiont health and survival upon disturbance. ISME Journal, 2016, 10, 2280-2292.	4.4	280
72	Physiological and genomic characterization of two novel marine thaumarchaeal strains indicates niche differentiation. ISME Journal, 2016, 10, 1051-1063.	4.4	160

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73	Archaeal and Bacterial Communities Associated with the Surface Mucus of Caribbean Corals Differ in Their Degree of Host Specificity and Community Turnover Over Reefs. PLoS ONE, 2016, 11, e0144702.	1.1	30
74	Conservation of dissolved organic matter molecular composition during mixing of the deep water masses of the northeast Atlantic Ocean. Marine Chemistry, 2015, 177, 288-297.	0.9	51
75	Response to Comment on â€œDilution limits dissolved organic carbon utilization in the deep oceanâ€. Science, 2015, 350, 1483-1483.	6.0	11
76	Dilution limits dissolved organic carbon utilization in the deep ocean. Science, 2015, 348, 331-333.	6.0	230
77	Macroecological patterns of archaeal ammonia oxidizers in the Atlantic Ocean. Molecular Ecology, 2015, 24, 4931-4942.	2.0	34
78	Production and degradation of fluorescent dissolved organic matter in surface waters of the eastern north Atlantic ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 96, 28-37.	0.6	43
79	Potential impacts of black carbon on the marine microbial community. Aquatic Microbial Ecology, 2015, 75, 27-42.	0.9	25
80	Resolving the abundance and air-sea fluxes of airborne microorganisms in the North Atlantic Ocean. Frontiers in Microbiology, 2014, 5, 557.	1.5	76
81	Fracture zones in the Mid Atlantic Ridge lead to alterations in prokaryotic and viral parameters in deep-water masses. Frontiers in Microbiology, 2014, 5, 264.	1.5	17
82	Drivers shaping the diversity and biogeography of total and active bacterial communities in the South China Sea. Molecular Ecology, 2014, 23, 2260-2274.	2.0	194
83	Comparison of Deep-Water Viromes from the Atlantic Ocean and the Mediterranean Sea. PLoS ONE, 2014, 9, e100600.	1.1	42
84	Linkage between copepods and bacteria in the North Atlantic Ocean. Aquatic Microbial Ecology, 2014, 72, 215-225.	0.9	41
85	Seasonal variation in marine-snow-associated and ambient-water prokaryotic communities in the northern Adriatic Sea. Aquatic Microbial Ecology, 2014, 73, 211-224.	0.9	41
86	Archaeal amoA gene diversity points to distinct biogeography of ammoniaâ€oxidizing Crenarchaeota in the ocean. Environmental Microbiology, 2013, 15, 1647-1658.	1.8	169
87	Bacterial Versus Archaeal Origin of Extracellular Enzymatic Activity in the Northeast Atlantic Deep Waters. Microbial Ecology, 2013, 65, 277-288.	1.4	45
88	Microbial control of the dark end of the biological pump. Nature Geoscience, 2013, 6, 718-724.	5.4	276
89	Diversity and distribution of microbial eukaryotes in the deep tropical and subtropical North Atlantic Ocean. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 78, 58-69.	0.6	22
90	Temporal dynamics in the free-living bacterial community composition in the coastal North Sea. FEMS Microbiology Ecology, 2013, 83, 413-424.	1.3	31

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91	Abundance and distribution of archaeal acetyl-CoA/propionyl-CoA carboxylase genes indicative for putatively chemoautotrophic Archaea in the tropical Atlantic's interior. FEMS Microbiology Ecology, 2013, 84, 461-473.	1.3	21
92	Comparison between MICROâ€“CARDâ€“FISH and 16 S rRNA gene clone libraries to assess the active versus total bacterial community in the coastal A rctic. Environmental Microbiology Reports, 2013, 5, 272-281.	1.0	21
93	Spatial patterns of bacterial and archaeal communities along the Romanche Fracture Zone (tropical) Tj ETQq1 1 0.784314 rgBT /Over	1.3	16
94	Thick-shelled, grazer-protected diatoms decouple ocean carbon and silicon cycles in the iron-limited Antarctic Circumpolar Current. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20633-20638.	3.3	216
95	Prevalence of strong vertical CO₂ and O₂ variability in the top meters of the ocean. Global Biogeochemical Cycles, 2013, 27, 941-949.	1.9	15
96	Impact of water mass mixing on the biogeochemistry and microbiology of the Northeast Atlantic Deep Water. Global Biogeochemical Cycles, 2013, 27, 1151-1162.	1.9	18
97	Development and deployment of a pointâ€source digital inline holographic microscope for the study of plankton and particles to a depth of 6000 m. Limnology and Oceanography: Methods, 2013, 11, 28-40.	1.0	71
98	Major Effect of Hydrogen Peroxide on Bacterioplankton Metabolism in the Northeast Atlantic. PLoS ONE, 2013, 8, e61051.	1.1	23
99	Microbial Functioning and Community Structure Variability in the Mesopelagic and Epipelagic Waters of the Subtropical Northeast Atlantic Ocean. Applied and Environmental Microbiology, 2012, 78, 3309-3316.	1.4	21
100	Links between viruses and prokaryotes throughout the water column along a North Atlantic latitudinal transect. ISME Journal, 2012, 6, 1566-1577.	4.4	90
101	Direct observations of diel biological CO₂ fixation on the Scotian Shelf, northwestern Atlantic Ocean. Biogeosciences, 2012, 9, 2301-2309.	1.3	10
102	Deep carbon export from a Southern Ocean iron-fertilized diatom bloom. Nature, 2012, 487, 313-319.	13.7	367
103	Sunlight Effects on the Osmotrophic Uptake of DMSP-Sulfur and Leucine by Polar Phytoplankton. PLoS ONE, 2012, 7, e45545.	1.1	21
104	Differentiating leucine incorporation of Archaea and Bacteria throughout the water column of the eastern Atlantic using metabolic inhibitors. Aquatic Microbial Ecology, 2012, 66, 247-256.	0.9	9
105	Potential for Chemolithoautotrophy Among Ubiquitous Bacteria Lineages in the Dark Ocean. Science, 2011, 333, 1296-1300.	6.0	510
106	Contribution of Crenarchaeota and Bacteria to autotrophy in the North Atlantic interior. Environmental Microbiology, 2011, 13, 1524-1533.	1.8	42
107	Changes in viral and bacterial communities during the iceâ€melting season in the coastal Arctic (Kongsfjorden, NyâÃ…lesund). Environmental Microbiology, 2011, 13, 1827-1841.	1.8	37
108	Water mass-specificity of bacterial communities in the North Atlantic revealed by massively parallel sequencing. Molecular Ecology, 2011, 20, 258-274.	2.0	243

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109	DIEL IN SITU PICOPHYTOPLANKTON CELL DEATH CYCLES COUPLED WITH CELL DIVISION¹. Journal of Phycology, 2011, 47, 1247-1257.	1.0	16
110	The microbial carbon pump and the oceanic recalcitrant dissolved organic matter pool. Nature Reviews Microbiology, 2011, 9, 555-555.	13.6	73
111	An overview of the structure and function of microbial biofilms, with special emphasis on heterotrophic aquatic microbial communities. African Journal of Aquatic Science, 2011, 36, 1-10.	0.5	6
112	Abundance of eukaryotic microbes in the deep subtropical North Atlantic. Aquatic Microbial Ecology, 2011, 65, 103-115.	0.9	15
113	Spatial patterns of bacterial abundance, activity and community composition in relation to water masses in the eastern Mediterranean Sea. Aquatic Microbial Ecology, 2010, 59, 185-195.	0.9	36
114	Mesoscale eddies: hotspots of prokaryotic activity and differential community structure in the ocean. ISME Journal, 2010, 4, 975-988.	4.4	86
115	Links between viral and prokaryotic communities throughout the water column in the (sub)tropical Atlantic Ocean. ISME Journal, 2010, 4, 1431-1442.	4.4	47
116	Relevance of a crenarchaeotal subcluster related to Candidatus Nitrosopumilus maritimus to ammonia oxidation in the suboxic zone of the central Baltic Sea. ISME Journal, 2010, 4, 1496-1508.	4.4	110
117	Microbial production of recalcitrant dissolved organic matter: long-term carbon storage in the global ocean. Nature Reviews Microbiology, 2010, 8, 593-599.	13.6	1,278
118	Role of macroscopic particles in deep-sea oxygen consumption. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8287-8291.	3.3	79
119	Significance of nonâ€sinking particulate organic carbon and dark CO₂ fixation to heterotrophic carbon demand in the mesopelagic northeast Atlantic. Geophysical Research Letters, 2010, 37, .	1.5	64
120	Biogeochemical relationships between ultrafiltered dissolved organic matter and picoplankton activity in the Eastern Mediterranean Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1460-1477.	0.6	48
121	Emerging concepts on microbial processes in the bathypelagic ocean â€“ ecology, biogeochemistry, and genomics. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1519-1536.	0.6	153
122	Major contribution of autotrophy to microbial carbon cycling in the deep North Atlanticâ€™s interior. Deep-Sea Research Part II: Topical Studies in Oceanography, 2010, 57, 1572-1580.	0.6	152
123	High dissolved extracellular enzymatic activity in the deep central Atlantic Ocean. Aquatic Microbial Ecology, 2010, 58, 287-302.	0.9	90
124	Seasonal dynamics of dissolved organic matter and microbial activity in the coastal North Sea. Aquatic Microbial Ecology, 2010, 60, 85-95.	0.9	33
125	Prokaryotic carbon utilization in the dark ocean: growth efficiency, leucine-to-carbon conversion factors, and their relation. Aquatic Microbial Ecology, 2010, 60, 227-232.	0.9	39
126	Synechococcus and Prochlorococcus cell death induced by UV radiation and the penetration of lethal UVR in the Mediterranean Sea. Marine Ecology - Progress Series, 2010, 399, 27-37.	0.9	57

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127	Viral and Flagellate Control of Prokaryotic Production and Community Structure in Offshore Mediterranean Waters. Applied and Environmental Microbiology, 2009, 75, 4801-4812.	1.4	60
128	Mesoscale variability modulates seasonal changes in the trophic structure of nano- and picoplankton communities across the NW Africa-Canary Islands transition zone. Progress in Oceanography, 2009, 83, 180-188.	1.5	35
129	Spatial distribution of Bacteria and Archaea and amoA gene copy numbers throughout the water column of the Eastern Mediterranean Sea. ISME Journal, 2009, 3, 147-158.	4.4	134
130	Heterotrophic prokaryotic production in ultraoligotrophic alpine karst aquifers and ecological implications. FEMS Microbiology Ecology, 2009, 68, 287-299.	1.3	55
131	Prokaryotic extracellular enzymatic activity in relation to biomass production and respiration in the mesoâ€•and bathypelagic waters of the (sub)tropical Atlantic. Environmental Microbiology, 2009, 11, 1998-2014.	1.8	117
132	Deep-sea bacterial communities in sediments and guts of deposit-feeding holothurians in Portuguese canyons (NE Atlantic). Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 1834-1843.	0.6	47
133	Microbial oceanography of the dark ocean's pelagic realm. Limnology and Oceanography, 2009, 54, 1501-1529.	1.6	437
134	Evidence of prokaryotic metabolism on suspended particulate organic matter in the dark waters of the subtropical North Atlantic. Limnology and Oceanography, 2009, 54, 182-193.	1.6	120
135	Diversity of Archaea and detection of crenarchaeotal amoA genes in the rivers Rhine and TÃªt. Aquatic Microbial Ecology, 2009, 55, 189-201.	0.9	42
136	Role of mesoscale cyclonic eddies in the distribution and activity of Archaea and Bacteria in the South China Sea. Aquatic Microbial Ecology, 2009, 56, 65-79.	0.9	39
137	Latitudinal trends of Crenarchaeota and Bacteria in the mesoâ€•and bathypelagic water masses of the Eastern North Atlantic. Environmental Microbiology, 2008, 10, 110-124.	1.8	104
138	Relationship of Geographic Distance, Depth, Temperature, and Viruses with Prokaryotic Communities in the Eastern Tropical Atlantic Ocean. Microbial Ecology, 2008, 56, 383-389.	1.4	27
139	Dynamics and diversity of newly produced virioplankton in the North Sea. ISME Journal, 2008, 2, 924-936.	4.4	35
140	Major gradients in putatively nitrifying and non-nitrifying Archaea in the deep North Atlantic. Nature, 2008, 456, 788-791.	13.7	259
141	Abundance and activity of Chloroflexiâ€type SAR202 bacterioplankton in the mesoâ€•and bathypelagic waters of the (sub)tropical Atlantic. Environmental Microbiology, 2008, 10, 1903-1911.	1.8	99
142	Epsilonproteobacteria Represent the Major Portion of Chemoautotrophic Bacteria in Sulfidic Waters of Pelagic Redoxclines of the Baltic and Black Seas. Applied and Environmental Microbiology, 2008, 74, 7546-7551.	1.4	131
143	Towards a better understanding of microbial carbon flux in the sea*. Aquatic Microbial Ecology, 2008, 53, 21-38.	0.9	81
144	Dissolved organic matter and bacterial production and respiration in the seaâ€surface microlayer of the open Atlantic and the western Mediterranean Sea. Limnology and Oceanography, 2008, 53, 122-136.	1.6	110

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145	Regulation of aquatic microbial processes: the â€˜microbial loopâ€™ of the sunlit surface waters and the dark ocean dissected. Aquatic Microbial Ecology, 2008, 53, 59-68.	0.9	44
146	Contribution of Crenarchaeota and Euryarchaeota to the prokaryotic plankton in the coastal northwestern Black Sea. Journal of Plankton Research, 2007, 29, 699-706.	0.8	44
147	Contribution of Crenarchaeota and Euryarchaeota to the prokaryotic plankton in the coastal northwestern Black Sea. Journal of Plankton Research, 2007, 30, 93-93.	0.8	0
148	Viral Abundance, Decay, and Diversity in the Meso- and Bathypelagic Waters of the North Atlantic. Applied and Environmental Microbiology, 2007, 73, 4429-4438.	1.4	105
149	Microbes and the Dissipation of Energy and Respiration: From Cells to Ecosystems. Oceanography, 2007, 20, 89-100.	0.5	125
150	Prokaryotic community analysis with CARD-FISH in comparison with FISH in ultra-oligotrophic ground- and drinking water. Journal of Applied Microbiology, 2007, 103, 871-881.	1.4	37
151	Variations in spatial and temporal distribution of Archaea in the North Sea in relation to environmental variables. FEMS Microbiology Ecology, 2007, 62, 242-257.	1.3	170
152	Bacterioplankton community composition in nearshore waters of the NW Black Sea during consecutive diatom and coccolithophorid blooms. Aquatic Sciences, 2007, 69, 413-418.	0.6	13
153	Strong coastÂ–ocean and surfaceÂ–depth gradients in prokaryotic assemblage structure and activity in a coastal transition zone region. Aquatic Microbial Ecology, 2007, 50, 63-74.	0.9	64
154	Distribution and activity of Bacteria and Archaea in the deep water masses of the North Atlantic. Limnology and Oceanography, 2006, 51, 2131-2144.	1.6	127
155	Prokaryotic respiration and production in the meso- and bathypelagic realm of the eastern and western North Atlantic basin. Limnology and Oceanography, 2006, 51, 1262-1273.	1.6	154
156	Viral burst size of heterotrophic prokaryotes in aquatic systems. Journal of the Marine Biological Association of the United Kingdom, 2006, 86, 613-621.	0.4	142
157	Fully automated spectrophotometric approach to determine oxygen concentrations in seawater via continuous-flow analysis. Limnology and Oceanography: Methods, 2006, 4, 358-366.	1.0	24
158	Archaeal uptake of enantiomeric amino acids in the meso- and bathypelagic waters of the North Atlantic. Limnology and Oceanography, 2006, 51, 60-69.	1.6	138
159	Quantifying Substrate Uptake by Individual Cells of Marine Bacterioplankton by Catalyzed Reporter Deposition Fluorescence In Situ Hybridization Combined with Microautoradiography. Applied and Environmental Microbiology, 2006, 72, 7022-7028.	1.4	64
160	Microbial diversity in the deep sea and the underexplored "rare biosphere". Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12115-12120.	3.3	3,297
161	Archaeal nitrification in the ocean. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12317-12322.	3.3	999
162	Microbial community structure in the sea surface microlayer at two contrasting coastal sites in the northwestern Mediterranean Sea. Aquatic Microbial Ecology, 2006, 42, 91-104.	0.9	87

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163	Abundance and activity of major groups of prokaryotic plankton in the coastal North Sea during spring and summer. Aquatic Microbial Ecology, 2006, 45, 237-246.	0.9	77
164	Enhanced heterotrophic activity in the surface microlayer of the Mediterranean Sea. Aquatic Microbial Ecology, 2005, 39, 293-302.	0.9	71
165	Linking bacterial richness with viral abundance and prokaryotic activity. Limnology and Oceanography, 2005, 50, 968-977.	1.6	37
166	A survey on bacteria inhabiting the sea surface microlayer of coastal ecosystems. FEMS Microbiology Ecology, 2005, 54, 269-280.	1.3	133
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