

Niels Peter Revsbech

List of Publications by Year in descending order

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148
papers

17,161
citations

10389

72
h-index

14759

127
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150
all docs

150
docs citations

150
times ranked

10905
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple sensors that work in diverse natural environments: The micro-Clark sensor and biosensor family. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129168.	7.8	14
2	Total Dissolved Inorganic Carbon Sensor Based on Amperometric CO ₂ Microsensor and Local Acidification. <i>ACS Sensors</i> , 2021, 6, 2529-2533.	7.8	10
3	Microaerobic Lifestyle at Nanomolar O ₂ Concentrations Mediated by Low-Affinity Terminal Oxidases in Abundant Soil Bacteria. <i>MSystems</i> , 2021, 6, e0025021.	3.8	12
4	Strong leaf surface basification and CO ₂ limitation of seagrass induced by epiphytic biofilm microenvironments. <i>Plant, Cell and Environment</i> , 2020, 43, 174-187.	5.7	23
5	The MILAN Campaign: Studying Diel Light Effects on the Air-Sea Interface. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E146-E166.	3.3	14
6	Amperometric sensor for nanomolar nitrous oxide analysis. <i>Analytica Chimica Acta</i> , 2020, 1101, 135-140.	5.4	9
7	Root O ₂ consumption, CO ₂ production and tissue concentration profiles in chickpea, as influenced by environmental hypoxia. <i>New Phytologist</i> , 2020, 226, 373-384.	7.3	17
8	Urea Biosensor Based on a CO ₂ Microsensor. <i>ACS Omega</i> , 2020, 5, 27582-27590.	3.5	17
9	Fast Responding Amperometric CO ₂ Microsensor with Ionic Liquid-Protic Solvent Electrolytes. <i>ACS Sensors</i> , 2020, 5, 2604-2610.	7.8	13
10	Ion Selective Amperometric Biosensors for Environmental Analysis of Nitrate, Nitrite and Sulfate. <i>Sensors</i> , 2020, 20, 4326.	3.8	15
11	What supports the deep chlorophyll maximum in acidic lakes? The role of the bacterial CO ₂ production in the hypolimnion. <i>Limnology and Oceanography</i> , 2020, 65, 1318-1335.	3.1	7
12	Microsensors in plant biology: in vivo visualization of inorganic analytes with high spatial and/or temporal resolution. <i>Journal of Experimental Botany</i> , 2020, 71, 3941-3954.	4.8	24
13	Experimental determination of pyrite and molybdenite oxidation kinetics at nanomolar oxygen concentrations. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 249, 160-172.	3.9	28
14	Biogas upgrading with hydrogenotrophic methanogenic biofilms. <i>Bioresource Technology</i> , 2019, 287, 121422.	9.6	33
15	Metabolic preference of nitrate over oxygen as an electron acceptor in foraminifera from the Peruvian oxygen minimum zone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2860-2865.	7.1	73
16	Amperometric microsensor for measurement of gaseous and dissolved CO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 349-354.	7.8	20
17	Microsensor for simultaneous measurement of H ₂ and H ₂ S. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 560-564.	7.8	3
18	Gene expression of terminal oxidases in two marine bacterial strains exposed to nanomolar oxygen concentrations. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	12

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19	Cryptic oxygen cycling in anoxic marine zones. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8319-8324.	7.1	116
20	Effects of Bacterial Community Members on the Proteome of the Ammonia-Oxidizing Bacterium Nitrosomonas sp. Strain Is79. Applied and Environmental Microbiology, 2016, 82, 4776-4788.	3.1	45
21	<i>In Situ</i> Hydrogen Dynamics in a Hot Spring Microbial Mat during a Diel Cycle. Applied and Environmental Microbiology, 2016, 82, 4209-4217.	3.1	20
22	Ammonium and nitrite oxidation at nanomolar oxygen concentrations in oxygen minimum zone waters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 10601-10606.	7.1	195
23	Respiratory Kinetics of Marine Bacteria Exposed to Decreasing Oxygen Concentrations. Applied and Environmental Microbiology, 2016, 82, 1412-1422.	3.1	21
24	Hydrogen microsensors with hydrogen sulfide traps. Sensors and Actuators B: Chemical, 2015, 215, 1-8.	7.8	16
25	Aerobic Microbial Respiration In Oceanic Oxygen Minimum Zones. PLoS ONE, 2015, 10, e0133526.	2.5	99
26	A New Highly Sensitive Method to Assess Respiration Rates and Kinetics of Natural Planktonic Communities by Use of the Switchable Trace Oxygen Sensor and Reduced Oxygen Concentrations. PLoS ONE, 2014, 9, e105399.	2.5	23
27	Oxygen at Nanomolar Levels Reversibly Suppresses Process Rates and Gene Expression in Anammox and Denitrification in the Oxygen Minimum Zone off Northern Chile. MBio, 2014, 5, e01966.	4.1	216
28	Oxygen distribution and aerobic respiration in the north and south eastern tropical Pacific oxygen minimum zones. Deep-Sea Research Part I: Oceanographic Research Papers, 2014, 94, 173-183.	1.4	122
29	Vertical partitioning of nitrogen loss processes across the oxic-anoxic interface of an oceanic oxygen minimum zone. Environmental Microbiology, 2014, 16, 3041-3054.	3.8	83
30	Hot moments of N ₂ O transformation and emission in tropical soils from the Pantanal and the Amazon (Brazil). Soil Biology and Biochemistry, 2014, 75, 26-36.	8.8	18
31	Electric coupling between distant nitrate reduction and sulfide oxidation in marine sediment. ISME Journal, 2014, 8, 1682-1690.	9.8	115
32	Electrophoretic sensitivity control applied on microscale NO _x biosensors with different membrane permeabilities. Sensors and Actuators B: Chemical, 2014, 202, 307-313.	7.8	4
33	Aquatic Respiration Rate Measurements at Low Oxygen Concentrations. PLoS ONE, 2014, 9, e89369.	2.5	28
34	Extracellular DNA in adhesion and biofilm formation of four environmental isolates: a quantitative study. FEMS Microbiology Ecology, 2013, 86, 394-403.	2.7	86
35	Anammox and denitrification in the oxygen minimum zone of the eastern South Pacific. Limnology and Oceanography, 2012, 57, 1331-1346.	3.1	243
36	A critical assessment of the occurrence and extend of oxygen contamination during anaerobic incubations utilizing commercially available vials. Journal of Microbiological Methods, 2012, 88, 147-154.	1.6	59

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37	Widespread functional anoxia in the oxygen minimum zone of the Eastern South Pacific. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 65, 36-45.	1.4	190
38	Fluorescence in situ hybridization (FISH) detection of nitrite reductase transcripts (nirS mRNA) in <i>Pseudomonas stutzeri</i> biofilms relative to a microscale oxygen gradient. Systematic and Applied Microbiology, 2012, 35, 513-517.	2.8	17
39	Entrapment of Subtilisin in Ceramic Sol-Gel Coating for Antifouling Applications. ACS Applied Materials & Interfaces, 2012, 4, 5915-5921.	8.0	36
40	Experimental Incubations Elicit Profound Changes in Community Transcription in OMZ Bacterioplankton. PLoS ONE, 2012, 7, e37118.	2.5	79
41	Extreme Emission of N ₂ O from Tropical Wetland Soil (Pantanal, South America). Frontiers in Microbiology, 2012, 3, 433.	3.5	29
42	Biofilm retention on surfaces with variable roughness and hydrophobicity. Biofouling, 2011, 27, 111-121.	2.2	52
43	Intensive nitrogen loss over the Omani Shelf due to anammox coupled with dissimilatory nitrite reduction to ammonium. ISME Journal, 2011, 5, 1660-1670.	9.8	200
44	Regulation of ammonia oxidation in biotrickling airfilters with high ammonium load. Chemical Engineering Journal, 2011, 167, 198-205.	12.7	36
45	Construction of STOX Oxygen Sensors and Their Application for Determination of O ₂ Concentrations in Oxygen Minimum Zones. Methods in Enzymology, 2011, 486, 325-341.	1.0	30
46	Oxygen Sensitivity of Anammox and Coupled N-Cycle Processes in Oxygen Minimum Zones. PLoS ONE, 2011, 6, e29299.	2.5	228
47	Aerobic growth at nanomolar oxygen concentrations. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18755-18760.	7.1	178
48	A Cryptic Sulfur Cycle in Oxygen-Minimum Zone Waters off the Chilean Coast. Science, 2010, 330, 1375-1378.	12.6	545
49	Widespread occurrence of nitrate storage and denitrification among Foraminifera and <i>Gromiida</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1148-1153.	7.1	253
50	Microbial community distribution and activity dynamics of granular biomass in a CANON reactor. Water Research, 2010, 44, 4359-4370.	11.3	101
51	Distribution and Rate of Microbial Processes in an Ammonia-Loaded Air Filter Biofilm. Applied and Environmental Microbiology, 2009, 75, 3705-3713.	3.1	47
52	Nitrogen cycling in a deep ocean margin sediment (Sagami Bay, Japan). Limnology and Oceanography, 2009, 54, 723-734.	3.1	94
53	Detection and persistence of fecal Bacteroidales as water quality indicators in unchlorinated drinking water. Systematic and Applied Microbiology, 2009, 32, 362-370.	2.8	12
54	Physiology and behaviour of marine <i>Thioploca</i> . ISME Journal, 2009, 3, 647-657.	9.8	62

#	ARTICLE	IF	CITATIONS
55	Observations on microbial activity in acidified pig slurry. <i>Biosystems Engineering</i> , 2009, 102, 291-297.	4.3	77
56	Determination of ultra-low oxygen concentrations in oxygen minimum zones by the STOX sensor. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 371-381.	2.0	222
57	Biosensor for laboratory and lander-based analysis of benthic nitrate plus nitrite distribution in marine environments. <i>Limnology and Oceanography: Methods</i> , 2009, 7, 761-770.	2.0	15
58	Denitrification, nitrate turnover, and aerobic respiration by benthic foraminiferans in the oxygen minimum zone off Chile. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008, 359, 85-91.	1.5	117
59	EFFECT OF WATER VELOCITY AND BENTHIC DIATOM MORPHOLOGY ON THE WATER CHEMISTRY EXPERIENCED BY POSTLARVAL ABALONE. <i>Journal of Shellfish Research</i> , 2007, 26, 745-750.	0.9	12
60	Microsensor for in situ flow measurements in benthic boundary layers at submillimeter resolution with extremely slow flow. <i>Limnology and Oceanography: Methods</i> , 2007, 5, 185-191.	2.0	12
61	Effect of Temperature and Light on Growth of and Photosynthesis by <i>Synechococcus</i> Isolates Typical of Those Predominating in the Octopus Spring Microbial Mat Community of Yellowstone National Park. <i>Applied and Environmental Microbiology</i> , 2006, 72, 544-550.	3.1	176
62	Evidence for complete denitrification in a benthic foraminifer. <i>Nature</i> , 2006, 443, 93-96.	27.8	407
63	Nitrogen transformations in stratified aquatic microbial ecosystems. <i>Antonie Van Leeuwenhoek</i> , 2006, 90, 361-375.	1.7	46
64	An NH ₄ ⁺ biosensor based on ammonia-oxidizing bacteria for use under anoxic conditions. <i>Sensors and Actuators B: Chemical</i> , 2005, 105, 412-418.	7.8	16
65	Nitrogen transformations in microenvironments of river beds and riparian zones. <i>Ecological Engineering</i> , 2005, 24, 447-455.	3.6	61
66	Kinetics, diffusional limitation and microscale distribution of chemistry and organisms in a CANON reactor. <i>FEMS Microbiology Ecology</i> , 2005, 51, 247-256.	2.7	170
67	Analysis of Microbial Communities with Electrochemical Microsensors and Microscale Biosensors. <i>Methods in Enzymology</i> , 2005, 397, 147-166.	1.0	58
68	Biomarkers for In Situ Detection of Anaerobic Ammonium-Oxidizing (Anammox) Bacteria. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1677-1684.	3.1	325
69	Competition between Ammonia-Oxidizing Bacteria and Benthic Microalgae. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5528-5537.	3.1	131
70	Nitrification and denitrification dynamics and community structure of ammonia oxidizing bacteria in a high yield irrigated Philippine rice field. <i>FEMS Microbiology Ecology</i> , 2004, 49, 359-369.	2.7	95
71	Bacterium-Based NO ₂ ⁻ Biosensor for Environmental Applications. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6551-6558.	3.1	58
72	Anaerobic ammonium oxidation by marine and freshwater planctomycete-like bacteria. <i>Applied Microbiology and Biotechnology</i> , 2003, 63, 107-114.	3.6	156

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73	Microscale Biosensor for Measurement of Volatile Fatty Acids in Anoxic Environments. Applied and Environmental Microbiology, 2002, 68, 1204-1210.	3.1	31
74	Nitrification and Denitrification near a Soil-Manure Interface Studied with a Nitrate-Nitrite Biosensor. Soil Science Society of America Journal, 2002, 66, 498-506.	2.2	26
75	Improved nitrogen removal by application of new nitrogen-cycle bacteria. Reviews in Environmental Science and Biotechnology, 2002, 1, 51-63.	8.1	88
76	Nitrification and Denitrification near a Soil-Manure Interface Studied with a Nitrate-Nitrite Biosensor. Soil Science Society of America Journal, 2002, 66, 498.	2.2	11
77	Methane microprofiles in a sewage biofilm determined with a microscale biosensor. Water Research, 2001, 35, 1379-1386.	11.3	41
78	An oxygen insensitive microsensor for nitrous oxide. Sensors and Actuators B: Chemical, 2001, 81, 42-48.	7.8	128
79	Microbiology of flooded rice paddies. FEMS Microbiology Reviews, 2000, 24, 625-645.	8.6	420
80	Fast responding biosensor for on-line determination of nitrate/nitrite in activated sludge. Water Research, 2000, 34, 2463-2468.	11.3	50
81	Microbiology of flooded rice paddies. FEMS Microbiology Reviews, 2000, 24, 625-645.	8.6	9
82	Microsensor analysis of oxygen and pH in the rice rhizosphere under field and laboratory conditions. Biology and Fertility of Soils, 1999, 29, 379-385.	4.3	160
83	A METHOD TO IMPROVE THE SPATIAL RESOLUTION OF PHOTOSYNTHETIC RATES OBTAINED BY OXYGEN MICROSENSORS. Journal of Phycology, 1998, 34, 89-93.	2.3	25
84	Nitrification, denitrification, and N-liberation associated with two types of organic hot-spots in soil. Soil Biology and Biochemistry, 1998, 30, 611-619.	8.8	31
85	A novel microsensor for determination of apparent diffusivity in sediments. Limnology and Oceanography, 1998, 43, 986-992.	3.1	49
86	Use of an Oxygen-Insensitive Microscale Biosensor for Methane To Measure Methane Concentration Profiles in a Rice Paddy. Applied and Environmental Microbiology, 1998, 64, 864-870.	3.1	44
87	A Microscale NO ₃ -Biosensor for Environmental Applications. Analytical Chemistry, 1997, 69, 3527-3531.	6.5	136
88	Title is missing!. Hydrobiologia, 1997, 350, 1-11.	2.0	32
89	Intrarenal oxygen tension measured by a modified Clark electrode at normal and low blood pressure and after injection of x-ray contrast media. Pflugers Archiv European Journal of Physiology, 1997, 434, 705-711.	2.8	79
90	Nitrification and Coupled Nitrification-Denitrification Associated with a Soil-Manure Interface. Soil Science Society of America Journal, 1996, 60, 1829-1840.	2.2	49

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91	Transformation of N ₂ O and CH ₄ in Stratified Microbial Communities Studied by Use of Microsensors. , 1996, , 153-166.		0
92	Nitrification, denitrification and growth in artificial Thiosphaera pantotropha biofilms as measured with a combined microsensor for oxygen and nitrous oxide. FEMS Microbiology Ecology, 1995, 17, 137-148.	2.7	26
93	Microscale biosensors for environmental monitoring. TrAC - Trends in Analytical Chemistry, 1995, 14, 300-303.	11.4	23
94	Diel Pulses of O ₂ and CO ₂ in Sandy Lake Sediments Inhabited by Lobelia Dortmanna. Ecology, 1995, 76, 1536-1545.	3.2	127
95	Calibration and performance of the stirred flux chamber from the benthic lander Elinor. Deep-Sea Research Part I: Oceanographic Research Papers, 1995, 42, 1029-1042.	1.4	61
96	Diffusivity in surficial sediments and benthic mats determined by use of a combined N ₂ O-O ₂ microsensor. Geochimica Et Cosmochimica Acta, 1995, 59, 231-237.	3.9	44
97	Combined Microdiffusion-Hypobromite Oxidation Method for Determining Nitrogen-15 Isotope in Ammonium. Soil Science Society of America Journal, 1995, 59, 1077-1080.	2.2	85
98	Diffusive and total oxygen uptake of deep-sea sediments in the eastern South Atlantic Ocean:in situ and laboratory measurements. Deep-Sea Research Part I: Oceanographic Research Papers, 1994, 41, 1767-1788.	1.4	258
99	Diffusion Chamber for Nitrogen-15 Determination of Coupled Nitrification-Denitrification around Soil-Manure Interfaces. Soil Science Society of America Journal, 1994, 58, 795-800.	2.2	21
100	Denitrification in Soil Aggregates Analyzed with Microsensors for Nitrous Oxide and Oxygen. Soil Science Society of America Journal, 1994, 58, 1691-1698.	2.2	135
101	Diurnal variation of denitrification and nitrification in sediments colonized by benthic microphytes. Limnology and Oceanography, 1994, 39, 573-579.	3.1	200
102	Effects on the benthic diffusive boundary layer imposed by microelectrodes. Limnology and Oceanography, 1994, 39, 462-467.	3.1	106
103	Analysis of microbial mats by use of electrochemical microsensors: Recent advances. , 1994, , 135-147.		16
104	Oxygenic photosynthesis and light distribution in marine microbial mats. , 1994, , 305-310.		1
105	Investigation of an Iron-Oxidizing Microbial Mat Community Located near Aarhus, Denmark: Field Studies. Applied and Environmental Microbiology, 1994, 60, 4022-4031.	3.1	212
106	Investigation of an Iron-Oxidizing Microbial Mat Community Located near Aarhus, Denmark: Laboratory Studies. Applied and Environmental Microbiology, 1994, 60, 4032-4038.	3.1	122
107	Estimation of Nitrification and Denitrification from Microprofiles of Oxygen and Nitrate in Model Sediment Systems. Applied and Environmental Microbiology, 1994, 60, 2094-2100.	3.1	119
108	A sensitive assay for determination of ¹⁴ N/ ¹⁵ N isotope distribution in NO ₃ ⁻ . Journal of Microbiological Methods, 1993, 17, 155-164.	1.6	43

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109	Microscale Distribution of Nitrification Activity in Sediment Determined with a Shielded Microsensor for Nitrate. Applied and Environmental Microbiology, 1993, 59, 3287-3296.	3.1	150
110	Nitrification and Denitrification in Lake and Estuarine Sediments Measured by the ¹⁵ N Dilution Technique and Isotope Pairing. Applied and Environmental Microbiology, 1993, 59, 2093-2098.	3.1	178
111	Regulating factors of denitrification in trickling filter biofilms as measured with the oxygen/nitrous oxide microsensor. FEMS Microbiology Ecology, 1992, 10, 151-164.	2.7	39
112	Regulating factors of denitrification in trickling filter biofilms as measured with the oxygen/nitrous oxide microsensor. FEMS Microbiology Letters, 1992, 101, 151-164.	1.8	25
113	PHOTOSYNTHESIS AND PHOTOSYNTHESIS-COUPLED RESPIRATION IN NATURAL BIOFILMS QUANTIFIED WITH OXYGEN MICROSENSORS ¹ . Journal of Phycology, 1992, 28, 51-60.	2.3	125
114	Denitrification, Dissimilatory Reduction of Nitrate to Ammonium, and Nitrification in a Bioturbated Estuarine Sediment as Measured with ¹⁵ N and Microsensor Techniques. Applied and Environmental Microbiology, 1992, 58, 303-313.	3.1	137
115	Denitrification in nitrate-rich streams: Diurnal and seasonal variation related to benthic oxygen metabolism. Limnology and Oceanography, 1990, 35, 640-651.	3.1	235
116	Denitrification and photosynthesis in stream sediment studied with microsensor and wholecore techniques. Limnology and Oceanography, 1990, 35, 1135-1144.	3.1	118
117	Denitrification and oxygen respiration in biofilms studied with a microsensor for nitrous oxide and oxygen. Microbial Ecology, 1990, 19, 63-72.	2.8	155
118	Combined Use of the Acetylene Inhibition Technique and Microsensors for Quantification of Denitrification in Sediments and Biofilms. , 1990, , 259-275.		16
119	Denitrification in Stream Biofilm and Sediment: In Situ Variation and Control Factors. , 1990, , 277-289.		6
120	Photosynthesis and respiration of a diatom biofilm cultured in a new gradient growth chamber. FEMS Microbiology Letters, 1989, 62, 29-38.	1.8	42
121	Diffusion characteristics of microbial communities determined by use of oxygen microsensors. Journal of Microbiological Methods, 1989, 9, 111-122.	1.6	97
122	Denitrification in a trickling filter biofilm studied by a microsensor for oxygen and nitrous oxide. Water Research, 1989, 23, 867-871.	11.3	59
123	Oxygen uptake, bacterial distribution, and carbon-nitrogen-sulfur cycling in sediments from the baltic sea - North sea transition. Ophelia, 1989, 31, 29-49.	0.3	60
124	An oxygen microsensor with a guard cathode. Limnology and Oceanography, 1989, 34, 474-478.	3.1	998
125	Microzonation of Denitrification Activity in Stream Sediments as Studied with a Combined Oxygen and Nitrous Oxide Microsensor. Applied and Environmental Microbiology, 1989, 55, 1234-1241.	3.1	140
126	[71] Microsensors. Methods in Enzymology, 1988, , 639-659.	1.0	6

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127	Photosynthetic Potential and Light-Dependent Oxygen Consumption in a Benthic Cyanobacterial Mat. Applied and Environmental Microbiology, 1988, 54, 176-182.	3.1	26
128	Combined Oxygen and Nitrous Oxide Microsensor for Denitrification Studies. Applied and Environmental Microbiology, 1988, 54, 2245-2249.	3.1	121
129	Photosynthesis and light adaptation in epiphyte-macrophyte associations measured by oxygen microelectrodes. Limnology and Oceanography, 1987, 32, 452-457.	3.1	38
130	Direct Evidence for Changes in the Resistance of Legume Root Nodules to O ₂ Diffusion. Journal of Experimental Botany, 1987, 38, 1129-1140.	4.8	134
131	Obligately phototrophic Chloroflexus: primary production in anaerobic hot spring microbial mats. Archives of Microbiology, 1987, 147, 80-87.	2.2	76
132	Oxygen microprofiles of trickling filter biofilms. Water Research, 1986, 20, 1589-1598.	11.3	55
133	Microelectrodes: Their Use in Microbial Ecology. Advances in Microbial Ecology, 1986, , 293-352.	0.1	668
134	Adaptation to Hydrogen Sulfide of Oxygenic and Anoxygenic Photosynthesis among Cyanobacteria. Applied and Environmental Microbiology, 1986, 51, 398-407.	3.1	256
135	Transition from Anoxygenic to Oxygenic Photosynthesis in a <i>Microcoleus chthonoplastes</i> Cyanobacterial Mat. Applied and Environmental Microbiology, 1986, 51, 408-417.	3.1	98
136	Microoxic-Anoxic Niche of <i>Beggiatoa</i> spp.: Microelectrode Survey of Marine and Freshwater Strains. Applied and Environmental Microbiology, 1986, 52, 161-168.	3.1	98
137	Growth Pattern and Yield of a Chemoautotrophic <i>Beggiatoa</i> sp. in Oxygen-Sulfide Microgradients. Applied and Environmental Microbiology, 1986, 52, 225-233.	3.1	209
138	Diffusive boundary layers and the oxygen uptake of sediments and detritus. Limnology and Oceanography, 1985, 30, 111-122.	3.1	638
139	Direct Measurement of Oxygen Profiles and Denitrification Rates in Soil Aggregates. Soil Science Society of America Journal, 1985, 49, 645-651.	2.2	609
140	Anaerobic processes in soil. Plant and Soil, 1984, 76, 197-212.	3.7	281
141	Photosynthesis and structure of benthic microbial mats: Microelectrode and SEM studies of four cyanobacterial communities. Limnology and Oceanography, 1983, 28, 1075-1093.	3.1	299
142	Photosynthesis of benthic microflora measured with high spatial resolution by the oxygen microprofile method: Capabilities and limitations of the method. Limnology and Oceanography, 1983, 28, 749-756.	3.1	254
143	Microelectrode studies of the photosynthesis and O ₂ , H ₂ S, and pH profiles of a microbial mat. Limnology and Oceanography, 1983, 28, 1062-1074.	3.1	429
144	Oxygen Microelectrode That Is Insensitive to Medium Chemical Composition: Use in an Acid Microbial Mat Dominated by <i>Cyanidium caldarium</i> . Applied and Environmental Microbiology, 1983, 45, 755-759.	3.1	189

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145	Primary production of microalgae in sediments measured by oxygen microprofile, H ₂ CO ₃ fixation, and oxygen exchange methods1. Limnology and Oceanography, 1981, 26, 717-730.	3.1	197
146	Distribution of oxygen in marine sediments measured with microelectrodes1. Limnology and Oceanography, 1980, 25, 403-411.	3.1	332
147	A comparison of oxygen, nitrate, and sulfate respiration in coastal marine sediments. Microbial Ecology, 1979, 5, 105-115.	2.8	232
148	Sampling in low oxygen aquatic environments: The deviation from anoxic conditions. Limnology and Oceanography: Methods, 0, , .	2.0	8