Dirk De-Beer

List of Publications by Year
in descending order

288 papers	19,218 citations	14644 66 h-index	17090 122 g-index
302 all docs	302 docs citations	302 times ranked	16073 citing authors

#	Article	IF	Citations
1	Impact of shallowâ€water hydrothermal seepage on benthic biogeochemical cycling, nutrient availability, and meiobenthic communities in a tropical coral reef. Limnology and Oceanography, 2022, 67, 567-584.	1.6	1
2	High-Resolution Dynamics of Hydrogen Peroxide on the Surface of Scleractinian Corals in Relation to Photosynthesis and Feeding. Frontiers in Marine Science, 2022, 9, .	1.2	3
3	Planktonic Aggregates as Hotspots for Heterotrophic Diazotrophy: The Plot Thickens. Frontiers in Microbiology, 2022, 13, 875050.	1.5	13
4	Nitrate respiration occurs throughout the depth of mucoid and non-mucoid Pseudomonas aeruginosa submerged agar colony biofilms including the oxic zone. Scientific Reports, 2022, 12, .	1.6	2
5	Assuring the integrity of offshore carbon dioxide storage. Renewable and Sustainable Energy Reviews, 2022, 166, 112670.	8.2	8
6	Intracellular nitrate storage by diatoms can be an important nitrogen pool in freshwater and marine ecosystems. Communications Earth & Environment, 2022, 3, .	2.6	11
7	Nitrate respiration and diel migration patterns of diatoms are linked in sediments underneath a microbial mat. Environmental Microbiology, 2021, 23, 1422-1435.	1.8	12
8	Thermal stress reduces pocilloporid coral resilience to ocean acidification by impairing control over calcifying fluid chemistry. Science Advances, 2021, 7, .	4.7	40
9	Sediment acidification and temperature increase in an artificial CO2 vent. International Journal of Greenhouse Gas Control, 2021, 105, 103244.	2.3	9
10	Microbial Communities Under Distinct Thermal and Geochemical Regimes in Axial and Off-Axis Sediments of Guaymas Basin. Frontiers in Microbiology, 2021, 12, 633649.	1.5	28
11	Towards improved monitoring of offshore carbon storage: A real-world field experiment detecting a controlled sub-seafloor CO2 release. International Journal of Greenhouse Gas Control, 2021, 106, 103237.	2.3	39
12	Calcification in free-living coralline algae is strongly influenced by morphology: Implications for susceptibility to ocean acidification. Scientific Reports, 2021, 11, 11232.	1.6	4
13	Advection Drives Nitrate Past the Microphytobenthos in Intertidal Sands, Fueling Deeper Denitrification. Frontiers in Microbiology, 2021, 12, 556268.	1.5	0
14	Limitation of Microbial Processes at Saturation-Level Salinities in a Microbial Mat Covering a Coastal Salt Flat. Applied and Environmental Microbiology, 2021, 87, e0069821.	1.4	10
15	Conspicuous Smooth and White Egg-Shaped Sulfur Structures on a Deep-Sea Hydrothermal Vent Formed by Sulfide-Oxidizing Bacteria. Microbiology Spectrum, 2021, 9, e0095521.	1.2	1
16	Suitability analysis and revised strategies for marine environmental carbon capture and storage (CCS) monitoring. International Journal of Greenhouse Gas Control, 2021, 112, 103510.	2.3	17
17	Nutritive effect of dust on microbial biodiversity and productivity of the Arabian Gulf. Aquatic Ecosystem Health and Management, 2020, 23, 122-135.	0.3	11
18	Mineral iron dissolution in Trichodesmium colonies: The role of O 2 and pH microenvironments. Limnology and Oceanography, 2020, 65, 1149-1160.	1.6	13

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19	Exploring flow-biofilm-sediment interactions: Assessment of current status and future challenges. Water Research, 2020, 185, 116182.	5.3	22
20	Kelp deposition changes mineralization pathways and microbial communities in a sandy beach. Limnology and Oceanography, 2020, 65, 3066-3084.	1.6	17
21	Use of an oxygen planar optode to assess the effect of high velocity microsprays on oxygen penetration in a human dental biofilms in-vitro. BMC Oral Health, 2020, 20, 230.	0.8	12
22	High Net Primary Production of Mediterranean Seagrass (Posidonia oceanica) Meadows Determined With Aquatic Eddy Covariance. Frontiers in Marine Science, 2020, 7, .	1.2	25
23	CONTROLS ON OXYGEN (O₂) PRODUCTION BY CYANOBACTERIAL MATS IN REDOX-STRATIFIED ENVIRONMENTS. , 2020, , .		0
24	Growth Patterns of Giant Deep Sea Beggiatoaceae from a Guaymas Basin Vent Site. Springer Oceanography, 2020, , 173-181.	0.2	0
25	Hydrogen Dynamics in Trichodesmium Colonies and Their Potential Role in Mineral Iron Acquisition. Frontiers in Microbiology, 2019, 10, 1565.	1.5	26
26	Colonies of marine cyanobacteria Trichodesmium interact with associated bacteria to acquire iron from dust. Communications Biology, 2019, 2, 284.	2.0	43
27	Biogeochemical Dynamics of Coastal Tidal Flats. , 2019, , 407-440.		17
28	Full in vivo characterization of carbonate chemistry at the site of calcification in corals. Science Advances, 2019, 5, eaau7447.	4.7	84
29	N₂ fixation in freeâ€floating filaments of Trichodesmium is higher than in transiently suboxic colony microenvironments. New Phytologist, 2019, 222, 852-863.	3.5	27
30	In situ Measurements of pH, CA2+, and Dic Dynamics within the Extrapallial Fluid of the Ocean Quahog Arctica islandica. Journal of Shellfish Research, 2019, 38, 71.	0.3	6
31	CO ₂ leakage alters biogeochemical and ecological functions of submarine sands. Science Advances, 2018, 4, eaao2040.	4.7	27
32	Abundance and diversity of aerobic heterotrophic microorganisms and their interaction with cyanobacteria in the oxic layer of an intertidal hypersaline cyanobacterial mat. FEMS Microbiology Ecology, 2018, 94, .	1.3	8
33	Cyanobacterial photosynthesis under sulfidic conditions: insights from the isolate Leptolyngbya sp. strain hensonii. ISME Journal, 2018, 12, 568-584.	4.4	50
34	Role of Extracellular Carbonic Anhydrase in Dissolved Inorganic Carbon Uptake in Alkaliphilic Phototrophic Biofilm. Frontiers in Microbiology, 2018, 9, 2490.	1.5	10
35	Arctic Coralline Algae Elevate Surface pH and Carbonate in the Dark. Frontiers in Plant Science, 2018, 9, 1416.	1.7	26
36	Low-Light Anoxygenic Photosynthesis and Fe-S-Biogeochemistry in a Microbial Mat. Frontiers in Microbiology, 2018, 9, 858.	1.5	19

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37	Nitrogen fixation and diversity of benthic cyanobacterial mats on coral reefs in CuraÃ§ao. Coral Reefs, 2018, 37, 861-874.	0.9	41
38	Filamentous Giant Beggiatoaceae from the Guaymas Basin Are Capable of both Denitrification and Dissimilatory Nitrate Reduction to Ammonium. Applied and Environmental Microbiology, 2018, 84, .	1.4	30
39	GEOCHEMICAL CYCLES REFLECT DIVERSITY IN MODERN BENTHIC MICROBIAL MATS. , 2018, , .		0
40	Regulation of benthic oxygen fluxes in permeable sediments of the coastal ocean. Limnology and Oceanography, 2017, 62, 1935-1954.	1.6	64
41	Oxygenic and anoxygenic photosynthesis in a microbial mat from an anoxic and sulfidic spring. Environmental Microbiology, 2017, 19, 1251-1265.	1.8	18
42	Effects of suspended sediments and nutrient enrichment on juvenile corals. Marine Pollution Bulletin, 2017, 125, 166-175.	2.3	34
43	A diver-operated hyperspectral imaging and topographic surveying system for automated mapping of benthic habitats. Scientific Reports, 2017, 7, 7122.	1.6	56
44	3. Mud volcanoes as dynamic sedimentary phenomena that host marine ecosystems. , 2017, , 53-84.		3
45	Ocean Acidification Changes Abiotic Processes but Not Biotic Processes in Coral Reef Sediments. Frontiers in Marine Science, 2017, 4, .	1.2	8
46	Response of Posidonia oceanica seagrass and its epibiont communities to ocean acidification. PLoS ONE, 2017, 12, e0181531.	1.1	29
47	Evidence for fungal and chemodenitrification based N2O flux from nitrogen impacted coastal sediments. Nature Communications, 2017, 8, 15595.	5.8	103
48	The Guaymas Basin Hiking Guide to Hydrothermal Mounds, Chimneys, and Microbial Mats: Complex Seafloor Expressions of Subsurface Hydrothermal Circulation. Frontiers in Microbiology, 2016, 7, 75.	1.5	82
49	Cyanobacteria in Sulfidic Spring Microbial Mats Can Perform Oxygenic and Anoxygenic Photosynthesis Simultaneously during an Entire Diurnal Period. Frontiers in Microbiology, 2016, 7, 1973.	1.5	20
50	Biotic Control of Surface pH and Evidence of Light-Induced H+ Pumping and Ca2+-H+ Exchange in a Tropical Crustose Coralline Alga. PLoS ONE, 2016, 11, e0159057.	1.1	42
51	Combining accelerometer data and contextual variables to evaluate the risk of driver behaviour. Transportation Research Part F: Traffic Psychology and Behaviour, 2016, 41, 80-96.	1.8	44
52	Microscale profiling of photosynthesisâ€related variables in a highly productive biofilm photobioreactor. Biotechnology and Bioengineering, 2016, 113, 1046-1055.	1.7	43
53	Internal pH regulation facilitates in situ long-term acclimation of massive corals to end-of-century carbon dioxide conditions. Scientific Reports, 2016, 6, 30688.	1.6	44
54	Direct Nitrous Oxide Emission from the Aquacultured Pacific White Shrimp (Litopenaeus vannamei). Applied and Environmental Microbiology, 2016, 82, 4028-4034.	1.4	20

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55	Evidence for water-mediated mechanisms in coralâ€“algal interactions. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161137.	1.2	65
56	Quantification of the effects of ocean acidification on sediment microbial communities in the environment: the importance of ecosystem approaches. FEMS Microbiology Ecology, 2016, 92, fiw027.	1.3	52
57	Structure and function of natural sulphide-oxidizing microbial mats under dynamic input of light and chemical energy. ISME Journal, 2016, 10, 921-933.	4.4	32
58	Shorter telomeres correlate with an increase in the number of uniparental disomies in patients with chronic lymphocytic leukemia. Leukemia and Lymphoma, 2016, 57, 590-595.	0.6	4
59	A new tool for long-term studies of POM-bacteria interactions: overcoming the century-old Bottle Effect. Scientific Reports, 2015, 5, 14706.	1.6	32
60	Microsensor studies on Padina from a natural <scp>CO</scp>₂ seep: implications of morphology on acclimation to low pH. Journal of Phycology, 2015, 51, 1106-1115.	1.0	6
61	Assessing the utility of trace and rare earth elements as biosignatures in microbial iron oxyhydroxides. Frontiers in Earth Science, 2015, 3, .	0.8	17
62	Rapid Reactivation of Cyanobacterial Photosynthesis and Migration upon Rehydration of Desiccated Marine Microbial Mats. Frontiers in Microbiology, 2015, 6, 1472.	1.5	23
63	Organic Matter Degradation Drives Benthic Cyanobacterial Mat Abundance on Caribbean Coral Reefs. PLoS ONE, 2015, 10, e0125445.	1.1	50
64	Functional-Structural Analysis of Nitrogen-Cycle Bacteria in a Hypersaline Mat from the Omani Desert. Geomicrobiology Journal, 2015, 32, 119-129.	1.0	20
65	Anoxygenic Photosynthesis Controls Oxygenic Photosynthesis in a Cyanobacterium from a Sulfidic Spring. Applied and Environmental Microbiology, 2015, 81, 2025-2031.	1.4	41
66	Hydrogen sulfide can inhibit and enhance oxygenic photosynthesis in a cyanobacterium from sulfidic springs. Environmental Microbiology, 2015, 17, 3301-3313.	1.8	45
67	Longitudinal Telomere Erosion in Lymphocyte Subsets of Patients with Atherosclerotic Peripheral Arterial Disease (PAD). Journal of Clinical and Diagnostic Research JCDR, 2015, 9, OM01-3.	0.8	1
68	Methanogenesis in sediments of an intertidal sand flat in the Wadden Sea. Estuarine, Coastal and Shelf Science, 2015, 164, 39-45.	0.9	4
69	A method to determine photosynthetic activity from oxygen microsensor data in biofilms subjected to evaporation. Journal of Microbiological Methods, 2015, 117, 100-107.	0.7	10
70	Biotic and abiotic oxidation and reduction of iron at circumneutral pH are inseparable processes under natural conditions. Geomicrobiology Journal, 2015, 32, 221-230.	1.0	26
71	NIR optical carbon dioxide sensors based on highly photostable dihydroxy-aza-BODIPY dyes. Journal of Materials Chemistry C, 2015, 3, 5474-5483.	2.7	41
72	Diversity of Iron Oxidizing and Reducing Bacteria in Flow Reactors in the Ã„spÃ¶ Hard Rock Laboratory. Geomicrobiology Journal, 2015, 32, 207-220.	1.0	26

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73	Effect of VariablepCO₂on Ca²⁺Removal and Potential Calcification of Cyanobacterial Biofilms â€"An Experimental Microsensor Study. Geomicrobiology Journal, 2015, 32, 304-315.	1.0	7
74	High dissolved organic carbon release by benthic cyanobacterial mats in a Caribbean reef ecosystem. Scientific Reports, 2015, 5, 8852.	1.6	58
75	Calcium dynamics in microbialiteâ€forming exopolymerâ€rich mats on the atoll of <scp>K</scp>iritimati, <scp>R</scp>epublic of <scp>K</scp>iribati, <scp>C</scp>entral <scp>P</scp>acific. Geobiology, 2015, 13, 170-180.	1.1	30
76	Changes in microbial communities in coastal sediments along natural <scp><scp>CO₂</scp></scp> gradients at a volcanic vent in <scp>P</scp>apua <scp>N</scp>ew <scp>G</scp>uinea. Environmental Microbiology, 2015, 17, 3678-3691.	1.8	64
77	Effects of Bioadvection by Arenicola marina on Microphytobenthos in Permeable Sediments. PLoS ONE, 2015, 10, e0134236.	1.1	29
78	Community Structure and Activity of a Highly Dynamic and Nutrient-Limited Hypersaline Microbial Mat in Um Alhool Sabkha, Qatar. PLoS ONE, 2014, 9, e92405.	1.1	25
79	Rapid Recovery of Cyanobacterial Pigments in Desiccated Biological Soil Crusts following Addition of Water. PLoS ONE, 2014, 9, e112372.	1.1	28
80	Eruption of a deep-sea mud volcano triggers rapid sediment movement. Nature Communications, 2014, 5, 5385.	5.8	50
81	Effect of sulfate on low-temperature anaerobic digestion. Frontiers in Microbiology, 2014, 5, 376.	1.5	29
82	Oxygenic photosynthesis as a protection mechanism for cyanobacteria against iron-encrustation in environments with high Fe2+ concentrations. Frontiers in Microbiology, 2014, 5, 459.	1.5	16
83	New highly fluorescent pH indicator for ratiometric RGB imaging of pCO₂. Methods and Applications in Fluorescence, 2014, 2, 024001.	1.1	11
84	Microenvironments of reduced salinity harbour biofilms in <scp>D</scp>ead <scp>S</scp>ea underwater springs. Environmental Microbiology Reports, 2014, 6, 152-158.	1.0	10
85	Sulfate reduction and sulfide oxidation in extremely steep salinity gradients formed by freshwater springs emerging into the Dead Sea. FEMS Microbiology Ecology, 2014, 90, 956-969.	1.3	17
86	Microscopic oxygen imaging based on fluorescein bleaching efficiency measurements. Microscopy Research and Technique, 2014, 77, 341-347.	1.2	4
87	Dissimilatory nitrate reduction by Aspergillus terreus isolated from the seasonal oxygen minimum zone in the Arabian Sea. BMC Microbiology, 2014, 14, 35.	1.3	44
88	Close association of active nitrifiers with <scp>B</scp>eggiatoa mats covering deepâ€sea hydrothermal sediments. Environmental Microbiology, 2014, 16, 1612-1626.	1.8	29
89	Spatial distribution of diatom and cyanobacterial mats in the Dead Sea is determined by response to rapid salinity fluctuations. Extremophiles, 2014, 18, 1085-1094.	0.9	12
90	Effect of high electron donor supply on dissimilatory nitrate reduction pathways in a bioreactor for nitrate removal. Bioresource Technology, 2014, 171, 291-297.	4.8	28

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91	Oxygen budgets in subtidal arctic (Kongsfjorden, Svalbard) and temperate (Helgoland, North Sea) microphytobenthic communities. Marine Ecology - Progress Series, 2014, 504, 27-42.	0.9	21
92	Nitric oxide turnover in permeable river sediment. Limnology and Oceanography, 2014, 59, 1310-1320.	1.6	18
93	Effect Of Dust On The Microbial Community Structure And Function In The Arabian Gulf. , 2014, , .		0
94	Shell biofilmâ€associated nitrous oxide production in marine molluscs: processes, precursors and relative importance. Environmental Microbiology, 2013, 15, 1943-1955.	1.8	51
95	Metabolically active microbial communities in marine sediment under high-CO2 and low-pH extremes. ISME Journal, 2013, 7, 555-567.	4.4	51
96	Resistance of Lophelia pertusa to coverage by sediment and petroleum drill cuttings. Marine Pollution Bulletin, 2013, 74, 132-140.	2.3	28
97	Microbial Biofilms. , 2013, , 343-372.		13
98	High rates of denitrification and nitrous oxide emission in arid biological soil crusts from the Sultanate of Oman. ISME Journal, 2013, 7, 1862-1875.	4.4	76
99	Intermediate sulfur oxidation state compounds in the euxinic surface sediments of the Dvurechenskii mud volcano (Black Sea). Geochimica Et Cosmochimica Acta, 2013, 105, 130-145.	1.6	38
100	Hyperspectral imaging of the microscale distribution and dynamics of microphytobenthos in intertidal sediments. Limnology and Oceanography: Methods, 2013, 11, 511-528.	1.0	51
101	Limitations of microbial hydrocarbon degradation at the Amon mud volcano (Nile deep-sea fan). Biogeosciences, 2013, 10, 3269-3283.	1.3	22
102	Saturated CO₂ inhibits microbial processes in CO₂-vented deep-sea sediments. Biogeosciences, 2013, 10, 5639-5649.	1.3	18
103	In Situ Coral Reef Oxygen Metabolism: An Eddy Correlation Study. PLoS ONE, 2013, 8, e58581.	1.1	93
104	Role of Diatoms in the Spatial-Temporal Distribution of Intracellular Nitrate in Intertidal Sediment. PLoS ONE, 2013, 8, e73257.	1.1	36
105	Vertical activity distribution of dissimilatory nitrate reduction in coastal marine sediments. Biogeosciences, 2013, 10, 7509-7523.	1.3	40
106	Response of the Ubiquitous Pelagic Diatom Thalassiosira weissflogii to Darkness and Anoxia. PLoS ONE, 2013, 8, e82605.	1.1	39
107	Intensive and extensive nitrogen loss from intertidal permeable sediments of the Wadden Sea. Limnology and Oceanography, 2012, 57, 185-198.	1.6	73
108	Vacuolar respiration of nitrate coupled to energy conservation in filamentous <scp>B</scp>eggiatoaceae. Environmental Microbiology, 2012, 14, 2911-2919.	1.8	18

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109	Mechanisms of damage to corals exposed to sedimentation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1558-67.	3.3	184
110	A comparative experimental and multiphysics computational fluid dynamics study of coupled surfaceâ€“subsurface flow in bed forms. Water Resources Research, 2012, 48, .	1.7	82
111	Characterization of denitrifying granular sludge with and without the addition of external carbon source. Bioresource Technology, 2012, 124, 413-420.	4.8	37
112	CLLU1 expression distinguishes chronic lymphocytic leukemia from other mature B-cell neoplasms. Leukemia Research, 2012, 36, 1204-1207.	0.4	4
113	The influence of pore-water advection, benthic photosynthesis, and respiration on calcium carbonate dynamics in reef sands. Limnology and Oceanography, 2012, 57, 809-825.	1.6	46
114	In Situ Oxygen Dynamics in Coral-Algal Interactions. PLoS ONE, 2012, 7, e31192.	1.1	63
115	Mats of psychrophilic thiotrophic bacteria associated with cold seeps of the Barents Sea. Biogeosciences, 2012, 9, 2947-2960.	1.3	47
116	Microbial diversity of eolian dust sources from saline lake sediments and biological soil crusts in arid Southern Australia. FEMS Microbiology Ecology, 2012, 80, 294-304.	1.3	43
117	Light utilization efficiency in photosynthetic microbial mats. Environmental Microbiology, 2012, 14, 982-992.	1.8	38
118	Microbial and Chemical Characterization of Underwater Fresh Water Springs in the Dead Sea. PLoS ONE, 2012, 7, e38319.	1.1	161
119	The O2, pH and Ca2+ Microenvironment of Benthic Foraminifera in a High CO2 World. PLoS ONE, 2012, 7, e50010.	1.1	49
120	Indirect control of the intracellular nitrate pool of intertidal sediment by the polychaete Hediste diversicolor. Marine Ecology - Progress Series, 2012, 445, 181-192.	0.9	23
121	Dissolution of Calcite in the Twilight Zone: Bacterial Control of Dissolution of Sinking Planktonic Carbonates Is Unlikely. PLoS ONE, 2011, 6, e26404.	1.1	9
122	A novel, matâ€forming Thiomargarita population associated with a sulfidic fluid flow from a deepâ€sea mud volcano. Environmental Microbiology, 2011, 13, 495-505.	1.8	30
123	Vacuolated Beggiatoaâ€like filaments from different hypersaline environments form a novel genus. Environmental Microbiology, 2011, 13, 3194-3205.	1.8	17
124	Niche differentiation among mat-forming, sulfide-oxidizing bacteria at cold seeps of the Nile Deep Sea Fan (Eastern Mediterranean Sea). Geobiology, 2011, 9, 330-348.	1.1	101
125	The influence of phototrophic benthic biofilms on Cd, Cu, Ni, and Pb transport in permeable sediments. Biogeochemistry, 2011, 102, 167-181.	1.7	10
126	Telomeres and prognosis in patients with chronic lymphocytic leukaemia. International Journal of Hematology, 2011, 93, 74-82.	0.7	28

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127	The role of nitric-oxide-synthase-derived nitric oxide in multicellular traits of Bacillus subtilis 3610: biofilm formation, swarming, and dispersal. BMC Microbiology, 2011, 11, 111.	1.3	42
128	Dust storms over the Arabian Gulf: a possible indicator of climate changes consequences. Aquatic Ecosystem Health and Management, 2011, 14, 260-268.	0.3	43
129	Diatoms respire nitrate to survive dark and anoxic conditions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5649-5654.	3.3	177
130	Microsensors for Sediments, Microbial Mats, and Biofilms. Encyclopedia of Earth Sciences Series, 2011, , 658-662.	0.1	1
131	Heterogeneous oxygenation resulting from active and passive flow in two Mediterranean sponges, Dysida avara and Chondrosia reniformis. Limnology and Oceanography, 2010, 55, 1289-1300.	1.6	33
132	Resilience of pore-water chemistry and calcification in photosynthetic zones of calcifying sediments. Limnology and Oceanography, 2010, 55, 377-385.	1.6	17
133	Tufa-forming biofilms of German karstwater streams: microorganisms, exopolymers, hydrochemistry and calcification. Geological Society Special Publication, 2010, 336, 83-118.	0.8	86
134	Evidence of nitrification and denitrification in high and low microbial abundance sponges. Marine Biology, 2010, 157, 593-602.	0.7	135
135	Role of nitric oxide in Salmonella typhimurium-mediated cancer cell killing. BMC Cancer, 2010, 10, 146.	1.1	31
136	Denitrification in human dental plaque. BMC Biology, 2010, 8, 24.	1.7	70
137	Effect of nitrate on sulfur transformations in sulfidogenic sludge of a marine aquaculture biofilter. FEMS Microbiology Ecology, 2010, 72, 476-484.	1.3	16
138	Conversion and conservation of light energy in a photosynthetic microbial mat ecosystem. ISME Journal, 2010, 4, 440-449.	4.4	32
139	Aerobic denitrification in permeable Wadden Sea sediments. ISME Journal, 2010, 4, 417-426.	4.4	189
140	Novel observations of Thiobacterium, a sulfur-storing Gammaproteobacterium producing gelatinous mats. ISME Journal, 2010, 4, 1031-1043.	4.4	12
141	Nitrite-driven anaerobic methane oxidation by oxygenic bacteria. Nature, 2010, 464, 543-548.	13.7	1,521
142	Halotaxis of cyanobacteria in an intertidal hypersaline microbial mat. Environmental Microbiology, 2010, 12, 567-575.	1.8	20
143	Cultivationâ€independent characterization of â€˜Candidatus Magnetobacterium bavaricumâ€™ via ultrastructural, geochemical, ecological and metagenomic methods. Environmental Microbiology, 2010, 12, 2466-2478.	1.8	69
144	Combined Gel Probe and Isotope Labeling Technique for Measuring Dissimilatory Nitrate Reduction to Ammonium in Sediments at Millimeter-Level Resolution. Applied and Environmental Microbiology, 2010, 76, 6239-6247.	1.4	16

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145	Real-Time Microsensor Measurement of Local Metabolic Activities in Ex Vivo Dental Biofilms Exposed to Sucrose and Treated with Chlorhexidine. Applied and Environmental Microbiology, 2010, 76, 2326-2334.	1.4	80
146	Geochemical processes and chemosynthetic primary production in different thiotrophic mats of the HÃ¥kon Mosby Mud Volcano (Barents Sea). Limnology and Oceanography, 2010, 55, 931-949.	1.6	43
147	Methane and sulfide fluxes in permanent anoxia: In situ studies at the Dvurechenskii mud volcano (Sorokin Trough, Black Sea). Geochimica Et Cosmochimica Acta, 2010, 74, 5002-5018.	1.6	26
148	Nitrous oxide production associated with coastal marine invertebrates. Marine Ecology - Progress Series, 2010, 415, 1-9.	0.9	42
149	Geochemical processes and chemosynthetic primary production in different thiotrophic mats of the HÃ¥kon Mosby Mud Volcano (Barents Sea). Limnology and Oceanography, 2010, 55, 931-949.	1.6	34
150	Hyper-spectral imaging of biofilm growth dynamics. , 2009, , .		3
151	Modular Spectral Imaging System for Discrimination of Pigments in Cells and Microbial Communities. Applied and Environmental Microbiology, 2009, 75, 758-771.	1.4	48
152	Functioning of intertidal flats inferred from temporal and spatial dynamics of O2, H2S and pH in their surface sediment. Ocean Dynamics, 2009, 59, 317-332.	0.9	70
153	Mechanisms of transient nitric oxide and nitrous oxide production in a complex biofilm. ISME Journal, 2009, 3, 1301-1313.	4.4	77
154	Molecular characterization of bacteria associated with the trophosome and the tube of Lamellibrachia sp., a siboglinid annelid from cold seeps in the eastern Mediterranean. FEMS Microbiology Ecology, 2009, 69, 395-409.	1.3	56
155	Phototrophic Biofilm Activity and Dynamics of Diurnal Cd Cycling in a Freshwater Stream. Environmental Science & Technology, 2009, 43, 7245-7251.	4.6	24
156	A method for imaging of low pH in live cells based on excited state saturation. Journal of Microbiological Methods, 2009, 77, 98-101.	0.7	5
157	Nitrate, nitrite, and nitrous oxide transformations in sediments along a salinity gradient in the Weser Estuary. Aquatic Microbial Ecology, 2009, 55, 39-52.	0.9	17
158	Oxygen dynamics and transport in the Mediterranean sponge Aplysina aerophoba. Marine Biology, 2008, 153, 1257-1264.	0.7	87
159	Two-dimensional mapping of photopigment distribution and activity of Chloroflexus-like bacteria in a hypersaline microbial mat. FEMS Microbiology Ecology, 2008, 65, 434-448.	1.3	16
160	Significantly shorter telomeres in Tâ€cells of patients with ZAPâ€70⁺/CD38⁺ chronic lymphocytic leukaemia. British Journal of Haematology, 2008, 143, 383-386.	1.2	16
161	Microbial photosynthesis in coral reef sediments (Heron Reef, Australia). Estuarine, Coastal and Shelf Science, 2008, 76, 876-888.	0.9	46
162	Geochemical and microbiological fingerprinting of airborne dust that fell in Canberra, Australia, in October 2002. Geochemistry, Geophysics, Geosystems, 2008, 9, .	1.0	28

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163	Microbial effects on biofilm calcification, ambient water chemistry and stable isotope records in a highly supersaturated setting (WesterhÃ¶fer Bach, Germany). Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 262, 91-106.	1.0	95
164	Photosynthesis, Respiration and Exopolymer Calcium-Binding in Biofilm Calcification (WesterhÃ¶fer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	85
165	Nitric Oxide Microsensor for High Spatial Resolution Measurements in Biofilms and Sediments. Analytical Chemistry, 2008, 80, 1152-1158.	3.2	47
166	Impact of Nitrate on the Structure and Function of Bacterial Biofilm Communities in Pipelines Used for Injection of Seawater into Oil Fields. Applied and Environmental Microbiology, 2008, 74, 2841-2851.	1.4	90
167	Metabolic Microenvironmental Control by Photosynthetic Biofilms under Changing Macroenvironmental Temperature and pH Conditions. Applied and Environmental Microbiology, 2008, 74, 6306-6312.	1.4	67
168	Tideâ€driven deep poreâ€water flow in intertidal sand flats. Limnology and Oceanography, 2008, 53, 1521-1530.	1.6	53
169	Microbial mediation of stromatolite formation in karstâ€water creeks. Limnology and Oceanography, 2008, 53, 1159-1168.	1.6	54
170	A microsensor for carbonate ions suitable for microprofiling in freshwater and saline environments. Limnology and Oceanography: Methods, 2008, 6, 532-541.	1.0	38
171	Section 8 update: Use of microelectrodes to measure in situ microbial activities in biofilms, sediments, and microbial mats. , 2008, , 3483-3514.		6
172	Shorter Telomeres Are Associated with the Unfavourable Chromosomal Aberrations Del 17p and Del 11q in Chronic Lymphocytic Leukemia (CLL). Blood, 2008, 112, 3131-3131.	0.6	0
173	Physiological Adaptation of a Nitrate-Storing Beggiatoa sp. to Diel Cycling in a Phototrophic Hypersaline Mat. Applied and Environmental Microbiology, 2007, 73, 7013-7022.	1.4	42
174	Insights into the Genome of Large Sulfur Bacteria Revealed by Analysis of Single Filaments. PLoS Biology, 2007, 5, e230.	2.6	151
175	Bioturbation and bioirrigation extend the open exchange regions in permeable sediments. Limnology and Oceanography, 2007, 52, 1898-1909.	1.6	100
176	A novel radioactivity microsensor for high spatial resolution measurements of Î² radiation. Limnology and Oceanography: Methods, 2007, 5, 309-316.	1.0	0
177	Oxygen dynamics and flow patterns of Dysidea avara (Porifera: Demospongiae). Journal of the Marine Biological Association of the United Kingdom, 2007, 87, 1677-1682.	0.4	22
178	In Situ Applications of a New Diver-Operated Motorized Microsensor Profiler. Environmental Science & Technology, 2007, 41, 6210-6215.	4.6	67
179	Determination and localisation of in situ substrate uptake by anaerobic wastewater treatment granular biofilms. Water Science and Technology, 2007, 55, 369-376.	1.2	2
180	Microsensor for radioactivity. Journal of Labelled Compounds and Radiopharmaceuticals, 2007, 50, 492-493.	0.5	0

#	Article	IF	Citations
181	Biological and chemical sulfide oxidation in a Beggiatoa inhabited marine sediment. ISME Journal, 2007, 1, 341-353.	4.4	170
182	Effect of salinity changes on the bacterial diversity, photosynthesis and oxygen consumption of cyanobacterial mats from an intertidal flat of the Arabian Gulf. Environmental Microbiology, 2007, 9, 1384-1392.	1.8	83
183	Contribution of Chloroflexus respiration to oxygen cycling in a hypersaline microbial mat from Lake Chiprana, Spain. Environmental Microbiology, 2007, 9, 2007-2024.	1.8	30
184	Phylogenetic diversity and activity of aerobic heterotrophic bacteria from a hypersaline oil-polluted microbial mat. Systematic and Applied Microbiology, 2007, 30, 319-330.	1.2	46
185	Significantly Shorter Telomeres in T-Cells of ZAP-70+/CD38+ Patients with Chronic Lymphocytic Leukemia (CLL): An Important Role of T-Cells in This Subgroup of CLL?.. Blood, 2007, 110, 1120-1120.	0.6	0
186	Microbial Biofilms. , 2006, , 904-937.		40
187	Novel microbial communities of the Haakon Mosby mud volcano and their role as a methane sink. Nature, 2006, 443, 854-858.	13.7	570
188	Microbial community structure of sandy intertidal sediments in the North Sea, Sylt-RÃ¸mÃ¸ Basin, Wadden Sea. Systematic and Applied Microbiology, 2006, 29, 333-348.	1.2	148
189	High Nitrification Rate at Low pH in a Fluidized Bed Reactor with either Chalk or Sintered Glass as the Biofilm Carrier. Israel Journal of Chemistry, 2006, 46, 53-58.	1.0	4
190	Probing the microenvironment of freshwater sediment macrofauna: Implications of depositâ€feeding and bioirrigation for nitrogen cycling. Limnology and Oceanography, 2006, 51, 2538-2548.	1.6	51
191	Limitation of oxygenic photosynthesis and oxygen consumption by phosphate and organic nitrogen in a hypersaline microbial mat: a microsensor study. FEMS Microbiology Ecology, 2006, 57, 9-17.	1.3	25
192	Bacterial diversity of a cyanobacterial mat degrading petroleum compounds at elevated salinities and temperatures. FEMS Microbiology Ecology, 2006, 57, 290-301.	1.3	81
193	Spatial and temporal patterns of mineralization rates and oxygen distribution in a permeable intertidal sand flat (Sylt, Germany). Limnology and Oceanography, 2006, 51, 2549-2563.	1.6	54
194	In situ fluxes and zonation of microbial activity in surface sediments of the HÃ¥kon Mosby Mud Volcano. Limnology and Oceanography, 2006, 51, 1315-1331.	1.6	198
195	Nitrification in a Biofilm at Low pH Values: Role of In Situ Microenvironments and Acid Tolerance. Applied and Environmental Microbiology, 2006, 72, 4283-4292.	1.4	74
196	Effect of temperature on photosynthesis, oxygen consumption and sulfide production in an extremely hypersaline cyanobacterial mat. Aquatic Microbial Ecology, 2006, 44, 21-30.	0.9	20
197	Spatial patterns of aerobic and anaerobic mineralization rates and oxygen penetration dynamics in coral reef sediments. Marine Ecology - Progress Series, 2006, 309, 93-105.	0.9	53
198	Meiobenthos at the Arctic HÃ¥kon Mosby Mud Volcano, with a parental-caring nematode thriving in sulphide-rich sediments. Marine Ecology - Progress Series, 2006, 321, 143-155.	0.9	113

#	Article	IF	Citations
199	Surficial and deep pore water circulation governs spatial and temporal scales of nutrient recycling in intertidal sand flat sediment. Marine Ecology - Progress Series, 2006, 326, 61-76.	0.9	126
200	Photosynthesis-controlled calcification in a hypersaline microbial mat. Limnology and Oceanography, 2005, 50, 1836-1843.	1.6	80
201	High spatial resolution measurement of oxygen consumption rates in permeable sediments. Limnology and Oceanography: Methods, 2005, 3, 75-85.	1.0	53
202	Transport and mineralization rates in North Sea sandy intertidal sediments, Sylt-RÃ¸mÃ¸ Basin, Wadden Sea. Limnology and Oceanography, 2005, 50, 113-127.	1.6	188
203	Diversity and vertical distribution of magnetotactic bacteria along chemical gradients in freshwater microcosms. FEMS Microbiology Ecology, 2005, 52, 185-195.	1.3	127
204	In situ substrate conversion and assimilation by nitrifying bacteria in a model biofilm. Environmental Microbiology, 2005, 7, 1392-1404.	1.8	33
205	OXYGEN MICROSENSOR STUDIES ON ZOOXANTHELLATE CLIONAID SPONGES FROM THE COSTA BRAVA, MEDITERRANEAN SEA1. Journal of Phycology, 2005, 41, 774-779.	1.0	23
206	Aerobic Organic Carbon Mineralization by Sulfate-Reducing Bacteria in the Oxygen-Saturated Photic Zone of a Hypersaline Microbial Mat. Microbial Ecology, 2005, 49, 291-300.	1.4	40
207	Spatial distribution of calcification and photosynthesis in the scleractinian coral Galaxea fascicularis. Coral Reefs, 2005, 24, 173-180.	0.9	39
208	Distribution, Localization, and Phylogeny of Abundant Populations of Crenarchaeota in Anaerobic Granular Sludge. Applied and Environmental Microbiology, 2005, 71, 7523-7527.	1.4	44
209	Identification of Bacteria Potentially Responsible for Oxic and Anoxic Sulfide Oxidation in Biofilters of a Recirculating Mariculture System. Applied and Environmental Microbiology, 2005, 71, 6134-6141.	1.4	70
210	Flowing biofilms as a transport mechanism for biomass through porous media under laminar and turbulent conditions in a laboratory reactor system. Biofouling, 2005, 21, 161-168.	0.8	42
211	Sulfide-Oxidizing Activity and Bacterial Community Structure in a Fluidized Bed Reactor from a Zero-Discharge Mariculture System. Environmental Science & Technology, 2005, 39, 1802-1810.	4.6	49
212	Microbial communities near the oxic/anoxic interface in the hydrothermal system of Vulcano Island, Italy. Chemical Geology, 2005, 224, 169-182.	1.4	41
213	Chimney construction byChironomus ripariuslarvae in response to hypoxia: microbial implications for freshwater sediments. Journal of the North American Benthological Society, 2005, 24, 858-871.	3.0	31
214	Microbial activities in the burrow environment of the potamal mayfly Ephoron virgo. Freshwater Biology, 2004, 49, 1152-1163.	1.2	29
215	Nitrification in Freshwater Sediments as Influenced by Insect Larvae: Quantification by Microsensors and Fluorescence in Situ Hybridization. Microbial Ecology, 2004, 48, 145-153.	1.4	22
216	Degradation of 2,4-Dichlorophenoxyacetic Acid (2,4-D) by a Hypersaline Microbial Mat and Related Functional Changes in the Mat Community. Microbial Ecology, 2004, 48, 254-262.	1.4	9

#	Article	IF	Citations
217	Distribution and activity of nitrifying bacteria in natural stream sediment versus laboratory sediment microcosms. Aquatic Microbial Ecology, 2004, 36, 73-81.	0.9	20
218	Microsensor study of photosynthesis and calcification in the scleractinian coral, Galaxea fascicularis: active internal carbon cycle. Journal of Experimental Marine Biology and Ecology, 2003, 288, 1-15.	0.7	134
219	Effect of nitrite and nitrate on in situ sulfide production in an activated sludge immobilized agar gel film as determined by use of microelectrodes. Biotechnology and Bioengineering, 2003, 81, 570-577.	1.7	35
220	Structural and functional analysis of a microbial mat ecosystem from a unique permanent hypersaline inland lake: Ã¢Â€Â˜La Salada de ChipranaÃ¢Â€Â™ (NE Spain). FEMS Microbiology Ecology, 2003, 44, 175-189.	1.3	105
221	Temporal variation of nitrification rates in experimental freshwater sediments enriched with ammonia or nitrite. FEMS Microbiology Ecology, 2003, 46, 63-71.	1.3	20
222	In situ distribution and activity of nitrifying bacteria in freshwater sediment. Environmental Microbiology, 2003, 5, 798-803.	1.8	117
223	Oxygen uptake by aquatic sediments measured with a novel non-invasive eddy-correlation technique. Marine Ecology - Progress Series, 2003, 261, 75-83.	0.9	229
224	Uptake Rates of Oxygen and Sulfide Measured with Individual Thiomargarita namibiensis Cells by Using Microelectrodes. Applied and Environmental Microbiology, 2002, 68, 5746-5749.	1.4	47
225	Microbial Diversity of a Heavily Polluted Microbial Mat and Its Community Changes following Degradation of Petroleum Compounds. Applied and Environmental Microbiology, 2002, 68, 1674-1683.	1.4	212
226	Microsensor Studies of Oxygen, Carbon, and Nitrogen Cycles in Lake Sediments and Microbial Mats. ACS Symposium Series, 2002, , 227-246.	0.5	2
227	Successional development of sulfate-reducing bacterial populations and their activities in an activated sludge immobilized agar gel film. Biotechnology and Bioengineering, 2002, 78, 119-130.	1.7	14
228	Small-Scale Distribution of Interstitial Nitrite in Freshwater Sediment Microcosms: The Role of Nitrate and Oxygen Availability, and Sediment Permeability. Microbial Ecology, 2002, 43, 367-377.	1.4	34
229	Effect of Oxygen Concentration on Photosynthesis and Respiration in Two Hypersaline Microbial Mats. Microbial Ecology, 2002, 44, 208-216.	1.4	24
230	Metabolic shifts in hypersaline microbial mats upon addition of organic substrates. Environmental Microbiology, 2002, 4, 683-695.	1.8	15
231	Degradation of petroleum model compounds immobilized on clay by a hypersaline microbial mat. Biodegradation, 2002, 13, 273-283.	1.5	56
232	Bioturbation effects of Chironomus riparius on the benthic N-cycle as measured using microsensors and microbiological assays. Aquatic Microbial Ecology, 2002, 27, 175-185.	0.9	50
233	Fineâ€scale measurement of diffusivity in a microbial mat with nuclear magnetic resonance imaging. Limnology and Oceanography, 2001, 46, 248-259.	1.6	50
234	Photosynthesis and calcification in the calcifying algaeHalimeda discoideastudied with microsensors. Plant, Cell and Environment, 2001, 24, 1209-1217.	2.8	126

#	Article	IF	Citations
235	Miniaturised carbon dioxide sensor designed for measurements within plant leaves. Sensors and Actuators B: Chemical, 2001, 81, 107-114.	4.0	53
236	Endosymbiotic sulphate-reducing and sulphide-oxidizing bacteria in an oligochaete worm. Nature, 2001, 411, 298-302.	13.7	196
237	Micro-Electrodes. , 2001, , 85-100.		2
238	Microenvironments and distribution of nitrifying bacteria in a membrane-bound biofilm. Environmental Microbiology, 2000, 2, 680-686.	1.8	239
239	A microsensor study of light enhanced Ca2+ uptake and photosynthesis in the reef-building hermatypic coral Favia sp.. Marine Ecology - Progress Series, 2000, 194, 75-85.	0.9	115
240	Microscale Distribution of Populations and Activities of Nitrosospira and Nitrospira spp. along a Macroscale Gradient in a Nitrifying Bioreactor: Quantification by In Situ Hybridization and the Use of Microsensors. Applied and Environmental Microbiology, 1999, 65, 3690-3696.	1.4	431
241	Distribution of Sulfate-Reducing and Methanogenic Bacteria in Anaerobic Aggregates Determined by Microsensor and Molecular Analyses. Applied and Environmental Microbiology, 1999, 65, 4618-4629.	1.4	131
242	On the Occurrence of Anoxic Microniches, Denitrification, and Sulfate Reduction in Aerated Activated Sludge. Applied and Environmental Microbiology, 1999, 65, 4189-4196.	1.4	127
243	A nitrate-selective microelectrode based on a lipophilic derivative of iodocobalt(III)salen. Fresenius' Journal of Analytical Chemistry, 1999, 364, 595-598.	1.5	5
244	Micro-environments and mass transfer phenomena in biofilms studied with microsensors. Water Science and Technology, 1999, 39, 173.	1.2	37
245	Microsensors as a tool to determine chemical microgradients and bacterial activity in wastewater biofilms and flocs. Biodegradation, 1998, 9, 159-167.	1.5	45
246	Biofilm dynamics studied with microsensors and molecular techniques. Water Science and Technology, 1998, 37, 125.	1.2	14
247	Anaerobic processes in activated sludge. Water Science and Technology, 1998, 37, 605.	1.2	11
248	Identification and Activities In Situ of Nitrosospira and Nitrospira spp. as Dominant Populations in a Nitrifying Fluidized Bed Reactor. Applied and Environmental Microbiology, 1998, 64, 3480-3485.	1.4	448
249	Structural and Functional Dynamics of Sulfate-Reducing Populations in Bacterial Biofilms. Applied and Environmental Microbiology, 1998, 64, 3731-3739.	1.4	250
250	In situ structure/function studies in wastewater treatment systems. Water Science and Technology, 1998, 37, 413-416.	1.2	7
251	Anaerobic processes in activated sludge. Water Science and Technology, 1998, 37, 605-608.	1.2	14
252	Oxygen dynamics at the base of a biofilm studied with planar optodes. Aquatic Microbial Ecology, 1998, 14, 223-233.	0.9	50

#	Article	IF	Citations
253	A fastâ€responding CO₂ microelectrode for profiling sediments, microbial mats, and biofilms. Limnology and Oceanography, 1997, 42, 1590-1600.	1.6	97
254	Influence of electric fields and pH on biofilm structure as related to the bioelectric effect. Antimicrobial Agents and Chemotherapy, 1997, 41, 1876-1879.	1.4	133
255	Effect of feed composition and upflow velocity on aggregate characteristics in anaerobic upflow reactors. Applied Microbiology and Biotechnology, 1997, 47, 102-107.	1.7	58
256	Measurement of local diffusion coefficients in biofilms by microinjection and confocal microscopy. , 1997, 53, 151-158.		203
257	A nitrite microsensor for profiling environmental biofilms. Applied and Environmental Microbiology, 1997, 63, 973-977.	1.4	238
258	Liquid flow and mass transport in heterogeneous biofilms. Water Research, 1996, 30, 2761-2765.	5.3	126
259	Distribution of extracellular polysaccharides and flotation of anaerobic sludge. Applied Microbiology and Biotechnology, 1996, 46, 197-201.	1.7	68
260	Anaerobic bioprocessing of organic wastes. World Journal of Microbiology and Biotechnology, 1996, 12, 221-238.	1.7	67
261	The use of microsensors to determine population distributions in uasb aggregates. Water Science and Technology, 1995, 31, 273.	1.2	16
262	Relation between the structure of an aerobic biofilm and transport phenomena. Water Science and Technology, 1995, 32, 11.	1.2	75
263	Multispecies biofilms: Report from the discussion session. Water Science and Technology, 1995, 32, 269.	1.2	4
264	Pseudo-steady state oxygen-concentration profiles in an agar slab containing growing Nitrobacter agilis. Journal of Bioscience and Bioengineering, 1995, 79, 167-170.	0.9	12
265	The use of microsensors to determine population distributions in UASB aggregates. Water Science and Technology, 1995, 31, 273-280.	1.2	49
266	Relation between the structure of an aerobic biofilm and transport phenomena. Water Science and Technology, 1995, 32, 11-18.	1.2	128
267	Oxygen and pH microprofiles above corroding mild steel covered with a biofilm. Biofouling, 1995, 8, 273-280.	0.8	43
268	Influence of nitrate on manganese removing microbial consortia from sand filters. Water Research, 1995, 29, 579-587.	5.3	41
269	Biofilm structural heterogeneity visualized by three microscopic methods. Water Research, 1995, 29, 2006-2009.	5.3	95
270	Multispecies biofilms: report from the discussion session. Water Science and Technology, 1995, 32, 269-270.	1.2	1

#	Article	IF	Citations
271	Effects of biofilm structures on oxygen distribution and mass transport. Biotechnology and Bioengineering, 1994, 43, 1131-1138.	1.7	687
272	Liquid flow in heterogeneous biofilms. Biotechnology and Bioengineering, 1994, 44, 636-641.	1.7	243
273	Biofilms, the customized microniche. Journal of Bacteriology, 1994, 176, 2137-2142.	1.0	849
274	Direct measurement of chlorine penetration into biofilms during disinfection. Applied and Environmental Microbiology, 1994, 60, 4339-4344.	1.4	417
275	Comparison of respiratory activity and culturability during monochloramine disinfection of binary population biofilms. Applied and Environmental Microbiology, 1994, 60, 1690-1692.	1.4	58
276	Liquid Flow in Biofilm Systems. Applied and Environmental Microbiology, 1994, 60, 2711-2716.	1.4	332
277	Heterogeneous Distribution of Microbial Activity in Methanogenic Aggregates: pH and Glucose Microprofiles. Applied and Environmental Microbiology, 1993, 59, 3803-3815.	1.4	74
278	Microelectrode Measurements of the Activity Distribution in Nitrifying Bacterial Aggregates. Applied and Environmental Microbiology, 1993, 59, 573-579.	1.4	138
279	pH and Glucose Profiles in Aggregates of Bacillus laevolacticus. Applied and Environmental Microbiology, 1993, 59, 2474-2478.	1.4	12
280	The effect of pH profiles in methanogenic aggregates on the kinetics of acetate conversion. Water Research, 1992, 26, 1329-1336.	5.3	55
281	Manganese oxidation by microbial consortia from sand filters. Microbial Ecology, 1992, 24, 91-108.	1.4	46
282	Determination of the critical concentration of inhibitory products in a repeated fed-batch culture. Biotechnology Letters, 1992, 6, 33-38.	0.5	18
283	Oxygen-independent glucose microsensor based on glucose oxidase. Analytica Chimica Acta, 1991, 242, 275-278.	2.6	49
284	Denitrification by sulphur oxidizing Beggiatoa spp. mats on freshwater sediments. Nature, 1990, 344, 762-763.	13.7	104
285	Measurement of nitrate gradients with an ion-selective microelectrode. Analytica Chimica Acta, 1989, 219, 351-356.	2.6	89
286	Microelectrode Measurements of Nitrate Gradients in the Littoral and Profundal Sediments of a Meso-Eutrophic Lake (Lake Vechten, The Netherlands). Applied and Environmental Microbiology, 1989, 55, 754-757.	1.4	63
287	Gradients in immobilized biological systems. Analytica Chimica Acta, 1988, 213, 259-265.	2.6	46
288	Response of ammonium-selective microelectrodes based on the neutral carrier nonactin. Talanta, 1988, 35, 728-730.	2.9	72