Thomas R Neu

List of Publications by Year
in descending order

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162 papers	11,044 citations	30070 54 h-index	36028 97 g-index
167 all docs	167 docs citations	167 times ranked	11242 citing authors

#	Article	IF	Citations
1	Environmental conditions affect the food quality of plastic associated biofilms for the benthic grazer Physa fontinalis. Science of the Total Environment, 2022, 816, 151663.	8.0	5
2	The importance of biofilm formation for cultivation of a Micrarchaeon and its interactions with its Thermoplasmatales host. Nature Communications, 2022, 13, 1735.	12.8	12
3	Catabolism of sialic acids in an environmental microbial community. FEMS Microbiology Ecology, 2022, 98, .	2.7	5
4	Candidatus Sulfurimonas marisnigri sp. nov. and Candidatus Sulfurimonas baltica sp. nov., thiotrophic manganese oxide reducing chemolithoautotrophs of the class Campylobacteria isolated from the pelagic redoxclines of the Black Sea and the Baltic Sea. Systematic and Applied Microbiology, 2021, 44, 126155.	2.8	14
5	Interaction of cyanobacteria with calcium facilitates the sedimentation of microplastics in a eutrophic reservoir. Water Research, 2021, 189, 116582.	11.3	44
6	Who put the film in biofilm? The migration of a term from wastewater engineering to medicine and beyond. Npj Biofilms and Microbiomes, 2021, 7, 10.	6.4	62
7	Production of nonulosonic acids in the extracellular polymeric substances of â€œCandidatus Accumulibacter phosphatisâ€• Applied Microbiology and Biotechnology, 2021, 105, 3327-3338.	3.6	14
8	Aerobic granular sludge contains Hyaluronic acid-like and sulfated glycosaminoglycans-like polymers. Water Research, 2020, 169, 115291.	11.3	58
9	Biofilm padsâ€”an easy method to manufacture artificial biofilms embedded in an alginate polymer matrix. Limnology and Oceanography: Methods, 2020, 18, 1-7.	2.0	5
10	A Test Device for Microalgal Antifouling Using Fluctuating pH Values on Conductive Paints. Water (Switzerland), 2020, 12, 1597.	2.7	1
11	Biofouling, metal sorption and aggregation are related to sinking of microplastics in a stratified reservoir. Water Research, 2020, 176, 115748.	11.3	97
12	Decorating the Anammox House: Sialic Acids and Sulfated Glycosaminoglycans in the Extracellular Polymeric Substances of Anammox Granular Sludge. Environmental Science & Technology, 2020, 54, 5218-5226.	10.0	45
13	Insight Into Interactions of Thermoacidophilic Archaea With Elemental Sulfur: Biofilm Dynamics and EPS Analysis. Frontiers in Microbiology, 2019, 10, 896.	3.5	28
14	Visualization of the Sorption of Nickel within Exopolymer Microdomains of Bacterial Microcolonies Using Confocal and Scanning Electron Microscopy. Microbes and Environments, 2019, 34, 76-82.	1.6	6
15	Encrustations on ureteral stents from patients without urinary tract infection reveal distinct urotypes and a low bacterial load. Microbiome, 2019, 7, 60.	11.1	19
16	Flatworm mucus as the base of a food web. BMC Ecology, 2019, 19, 15.	3.0	6
17	Biofilm dynamics and EPS production of a thermoacidophilic bioleaching archaeon. New Biotechnology, 2019, 51, 21-30.	4.4	50
18	Sialic acids in the extracellular polymeric substances of seawater-adapted aerobic granular sludge. Water Research, 2019, 155, 343-351.	11.3	41

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19	Biofilms facilitate cheating and social exploitation of Î²-lactam resistance in Escherichia coli. Npj Biofilms and Microbiomes, 2019, 5, 36.	6.4	27
20	Extracellular polymeric substances of biofilms: Suffering from an identity crisis. Water Research, 2019, 151, 1-7.	11.3	228
21	Microbial megacities fueled by methane oxidation in a mineral spring cave. ISME Journal, 2018, 12, 87-100.	9.8	34
22	Biofilm diversity, structure and matrix seasonality in a full-scale cooling tower. Biofouling, 2018, 34, 1093-1109.	2.2	3
23	Multi-Parameter Laser Imaging Reveals Complex Microscale Biofilm Matrix in a Thick (4,000 Î¼m) Aerobic Methanol Oxidizing Community. Frontiers in Microbiology, 2018, 9, 2186.	3.5	4
24	Identification of Glycoproteins Isolated from Extracellular Polymeric Substances of Full-Scale Anammox Granular Sludge. Environmental Science & Technology, 2018, 52, 13127-13135.	10.0	102
25	Plastic Alters Biofilm Quality as Food Resource of the Freshwater Gastropod Radix balthica. Environmental Science & Technology, 2018, 52, 11387-11393.	10.0	34
26	EPS Glycoconjugate Profiles Shift as Adaptive Response in Anaerobic Microbial Granulation at High Salinity. Frontiers in Microbiology, 2018, 9, 1423.	3.5	28
27	Thermodesulfobium sp. strain 3baa, an acidophilic sulfate reducing bacterium forming biofilms triggered by mineral precipitation. Environmental Microbiology, 2018, 20, 3717-3731.	3.8	8
28	Land-based salmon aquacultures change the quality and bacterial degradation of riverine dissolved organic matter. Scientific Reports, 2017, 7, 43739.	3.3	36
29	The acid soluble extracellular polymeric substance of aerobic granular sludge dominated by Defluviicoccus sp.. Water Research, 2017, 122, 148-158.	11.3	76
30	The role of hydrodynamics in shaping the composition and architecture of epilithic biofilms in fluvial ecosystems. Water Research, 2017, 127, 211-222.	11.3	50
31	Visualizing the dental biofilm matrix by means of fluorescence lectin-binding analysis. Journal of Oral Microbiology, 2017, 9, 1345581.	2.7	19
32	Osteopontin adsorption to Gram-positive cells reduces adhesion forces and attachment to surfaces under flow. Journal of Oral Microbiology, 2017, 9, 1379826.	2.7	11
33	Grazing resistance of bacterial biofilms: a matter of predatorsâ€™ feeding trait. FEMS Microbiology Ecology, 2017, 93, .	2.7	43
34	Fluorescence Lectin Bar-Coding of Glycoconjugates in the Extracellular Matrix of Biofilm and Bioaggregate Forming Microorganisms. Microorganisms, 2017, 5, 5.	3.6	46
35	Biofilm formation and interspecies interactions in mixed cultures of thermo-acidophilic archaea Acidianus spp. and Sulfolobus metallicus. Research in Microbiology, 2016, 167, 604-612.	2.1	15
36	The Perfect Slime: Microbial Extracellular Polymeric Substances (EPS). Water Intelligence Online, 2016, 15, 9781780407425-9781780407425.	0.3	30

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37	Dominance of â€˜Gallionella capsiferriformansâ€™ and heavy metal association with Gallionellaâ€like stalks in metalâ€rich <scp>pH</scp> 6 mine water discharge. Geobiology, 2016, 14, 68-90.	2.4	31
38	Extremophile microbiomes in acidic and hypersaline river sediments of <scp>W</scp>estern <scp>A</scp>ustralia. Environmental Microbiology Reports, 2016, 8, 58-67.	2.4	12
39	The biofilm matrix ofCampylobacter jejunidetermined by fluorescence lectin-binding analysis. Biofouling, 2016, 32, 597-608.	2.2	21
40	The Biofilm Lifestyle of Acidophilic Metal/Sulfur-Oxidizing Microorganisms. Grand Challenges in Biology and Biotechnology, 2016, , 177-213.	2.4	13
41	Binding of heavy metal ions in aggregates of microbial cells, EPS and biogenic iron minerals measured in-situ using metal- and glycoconjugates-specific fluorophores. Geochimica Et Cosmochimica Acta, 2016, 180, 66-96.	3.9	72
42	In situevidence for metabolic and chemical microdomains in the structured polymer matrix of bacterial microcolonies. FEMS Microbiology Ecology, 2016, 92, fiw183.	2.7	33
43	Protistan predation interferes with bacterial longâ€term adaptation to substrate restriction by selecting for defence morphotypes. Journal of Evolutionary Biology, 2016, 29, 2297-2310.	1.7	13
44	The composition and compression of biofilms developed on ultrafiltration membranes determine hydraulic biofilm resistance. Water Research, 2016, 102, 63-72.	11.3	60
45	Schwertmannite formation at cell junctions by a new filament-forming Fe(II)-oxidizing isolate affiliated with the novel genus Acidithrix. Microbiology (United Kingdom), 2016, 162, 62-71.	1.8	13
46	Iron encrustations on filamentous algae colonized by <i>Gallionella</i>-related bacteria in a metal-polluted freshwater stream. Biogeosciences, 2015, 12, 5277-5289.	3.3	13
47	Characterization of pH dependent Mn(II) oxidation strategies and formation of a bixbyite-like phase by Mesorhizobium australicum T-G1. Frontiers in Microbiology, 2015, 6, 734.	3.5	42
48	Characterisation of algal organic matter produced by bloom-forming marine and freshwater algae. Water Research, 2015, 73, 216-230.	11.3	200
49	Innovative techniques, sensors, and approaches for imaging biofilms at different scales. Trends in Microbiology, 2015, 23, 233-242.	7.7	93
50	Harvesting electricity from benzene and ammonium-contaminated groundwater using a microbial fuel cell with an aerated cathode. RSC Advances, 2015, 5, 5321-5330.	3.6	33
51	Quality of dissolved organic matter affects planktonic but not biofilm bacterial production in streams. Science of the Total Environment, 2015, 506-507, 353-360.	8.0	51
52	Visualization and analysis of EPS glycoconjugates of the thermoacidophilic archaeon Sulfolobus metallicus. Applied Microbiology and Biotechnology, 2015, 99, 7343-7356.	3.6	39
53	Use of lectins to in situ visualize glycoconjugates of extracellular polymeric substances in acidophilic archaeal biofilms. Microbial Biotechnology, 2015, 8, 448-461.	4.2	49
54	A Whole Cell Bioreporter Approach to Assess Transport and Bioavailability of Organic Contaminants in Water Unsaturated Systems. Journal of Visualized Experiments, 2014, , .	0.3	5

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55	Protocol for Laser Scanning Microscopy of Microorganisms on Hydrocarbons. Springer Protocols, 2014, , 29-47.	0.3	0
56	Chip-calorimetric monitoring of biofilm eradication with bacteriophages reveals an unexpected infection-related heat profile. Journal of Thermal Analysis and Calorimetry, 2014, 115, 2203-2210.	3.6	9
57	Arsenic-Rich Acid Mine Water with Extreme Arsenic Concentration: Mineralogy, Geochemistry, Microbiology, and Environmental Implications. Environmental Science & Technology, 2014, 48, 13685-13693.	10.0	49
58	Colonization and biofilm formation of the extremely acidophilic archaeon Ferroplasma acidiphilum. Hydrometallurgy, 2014, 150, 245-252.	4.3	46
59	Investigation of Microbial Biofilm Structure by Laser Scanning Microscopy. Advances in Biochemical Engineering/Biotechnology, 2014, 146, 1-51.	1.1	42
60	Advanced Techniques for In Situ Analysis of the Biofilm Matrix (Structure, Composition, Dynamics) by Means of Laser Scanning Microscopy. Methods in Molecular Biology, 2014, 1147, 43-64.	0.9	30
61	Electron transfer and biofilm formation of Shewanella putrefaciens as function of anode potential. Bioelectrochemistry, 2013, 93, 23-29.	4.6	122
62	Impact of Mycelia on the Accessibility of Fluorene to PAH-Degrading Bacteria. Environmental Science & Technology, 2013, 47, 6908-6915.	10.0	73
63	Insights into the Structure and Metabolic Function of Microbes That Shape Pelagic Iron-Rich Aggregates (â€œIron Snowâ€). Applied and Environmental Microbiology, 2013, 79, 4272-4281.	3.1	60
64	Detection and quantification of a mycorrhization helper bacterium and a mycorrhizal fungus in plant-soil microcosms at different levels of complexity. BMC Microbiology, 2013, 13, 205.	3.3	39
65	A chip-calorimetric approach to the analysis of Ag nanoparticle caused inhibition and inactivation of beads-grown bacterial biofilms. Journal of Microbiological Methods, 2013, 95, 129-137.	1.6	14
66	Chip-calorimetric monitoring of biofilm eradication with antibiotics provides mechanistic information. International Journal of Medical Microbiology, 2013, 303, 158-165.	3.6	26
67	Mapping glycoconjugate-mediated interactions of marine Bacteroidetes with diatoms. Systematic and Applied Microbiology, 2013, 36, 417-425.	2.8	43
68	Extracellular DNA in adhesion and biofilm formation of four environmental isolates: a quantitative study. FEMS Microbiology Ecology, 2013, 86, 394-403.	2.7	86
69	Assessment of bacterial and structural dynamics in aerobic granular biofilms. Frontiers in Microbiology, 2013, 4, 175.	3.5	123
70	Benzene and sulfide removal from groundwater treated in a microbial fuel cell. Biotechnology and Bioengineering, 2013, 110, 3104-3113.	3.3	48
71	Calcite Biomineralization by Bacterial Isolates from the Recently Discovered Pristine Karstic Herrenberg Cave. Applied and Environmental Microbiology, 2012, 78, 1157-1167.	3.1	112
72	Evidence for methane production by saprotrophic fungi. Nature Communications, 2012, 3, 1046.	12.8	169

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73	Chip-calorimetry provides real time insights into the inactivation of biofilms by predatory bacteria. Biofouling, 2012, 28, 351-362.	2.2	14
74	Dissolution of Calcite in the Twilight Zone: Bacterial Control of Dissolution of Sinking Planktonic Carbonates Is Unlikely. PLoS ONE, 2011, 6, e26404.	2.5	9
75	Vacuolated Beggiatoaâ€like filaments from different hypersaline environments form a novel genus. Environmental Microbiology, 2011, 13, 3194-3205.	3.8	17
76	Characterization of Glycoconjugates of Extracellular Polymeric Substances in Tufa-Associated Biofilms by Using Fluorescence Lectin-Binding Analysis. Applied and Environmental Microbiology, 2011, 77, 505-516.	3.1	91
77	Pelagic boundary conditions affect the biological formation of ironâ€rich particles (iron snow) and their microbial communities. Limnology and Oceanography, 2011, 56, 1386-1398.	3.1	34
78	Fungal mycelia allow chemotactic dispersal of polycyclic aromatic hydrocarbonâ€degrading bacteria in waterâ€unsaturated systems. Environmental Microbiology, 2010, 12, 1391-1398.	3.8	117
79	Tufa-forming biofilms of German karstwater streams: microorganisms, exopolymers, hydrochemistry and calcification. Geological Society Special Publication, 2010, 336, 83-118.	1.3	86
80	Online assessment of biofilm development, sloughing and forced detachment in tube reactor by means of magnetic resonance microscopy. Biotechnology and Bioengineering, 2010, 107, 172-181.	3.3	34
81	Enrichment and characterization ofÃ¢Â€Âƒ a sulfate-reducing toluene-degrading microbial consortium by combiningin situmicrocosms and stable isotope probing techniques. FEMS Microbiology Ecology, 2010, 71, 237-246.	2.7	63
82	Advanced imaging techniques for assessment of structure, composition and function in biofilm systems. FEMS Microbiology Ecology, 2010, 72, 1-21.	2.7	187
83	Extracellular polymeric substances in microbial biofilms. , 2010, , 733-758.		22
84	Morphology of Filamentous Fungi: Linking Cellular Biology to Process Engineering Using Aspergillus niger. , 2010, 121, 1-21.		21
85	Aerated treatment pond technology with biofilm promoting mats for the bioremediation of benzene, MTBE and ammonium contaminated groundwater. Water Research, 2010, 44, 1785-1796.	11.3	46
86	Examination of Microbial Communities on Hydrocarbons by Means of Laser Scanning Microscopy. , 2010, , 4073-4084.		1
87	Structure and Composition of Aggregates in Two Large European Rivers, Based on Confocal Laser Scanning Microscopy and Image and Statistical Analyses. Applied and Environmental Microbiology, 2009, 75, 5952-5962.	3.1	20
88	3D finite element model of biofilm detachment using real biofilm structures from CLSM data. Biotechnology and Bioengineering, 2009, 103, 177-186.	3.3	58
89	Effective diffusivities and mass fluxes in fungal biopellets. Biotechnology and Bioengineering, 2009, 103, 1202-1213.	3.3	48
90	Application of two component biodegradable carriers in a particle-fixed biofilm airlift suspension reactor: development and structure of biofilms. Bioprocess and Biosystems Engineering, 2009, 32, 31-39.	3.4	18

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91	Sloughing and limited substrate conditions trigger filamentous growth in heterotrophic biofilmsâ€"Measurements in flow-through tube reactor. Chemical Engineering Science, 2009, 64, 2723-2732.	3.8	31
92	Imaging and quantifying virus fluorescence signals on aquatic aggregates: a new method and its implication for aquatic microbial ecology. FEMS Microbiology Ecology, 2009, 68, 372-380.	2.7	23
93	Interaction between biofilm development, structure and detachment in rotating annular reactors. Bioprocess and Biosystems Engineering, 2008, 31, 619-629.	3.4	53
94	Enrichment of anaerobic benzene-degrading microorganisms by in situ microcosms. FEMS Microbiology Ecology, 2008, 63, 94-106.	2.7	44
95	Architecture of Deinococcus geothermalis biofilms on glass and steel: a lectin study. Environmental Microbiology, 2008, 10, 1752-1759.	3.8	26
96	Miniaturized calorimetry â€" A new method for real-time biofilm activity analysis. Journal of Microbiological Methods, 2008, 74, 74-81.	1.6	65
97	In situ detection of bacteria in calcified biofilms using FISH and CARDâ€"FISH. Journal of Microbiological Methods, 2008, 75, 103-108.	1.6	33
98	In Situ Detection of Freshwater Fungi in an Alpine Stream by New Taxon-Specific Fluorescence In Situ Hybridization Probes. Applied and Environmental Microbiology, 2008, 74, 6427-6436.	3.1	54
99	In Situ Activity of Suspended and Immobilized Microbial Communities as Measured by Fluorescence Lifetime Imaging. Applied and Environmental Microbiology, 2008, 74, 294-299.	3.1	19
100	Physiological Adaptation of a Nitrate-Storing Beggiatoa sp. to Diel Cycling in a Phototrophic Hypersaline Mat. Applied and Environmental Microbiology, 2007, 73, 7013-7022.	3.1	42
101	A flow-lane incubator for studying freshwater and marine phototrophic biofilms. Journal of Microbiological Methods, 2007, 70, 336-345.	1.6	62
102	In situ evidence for microdomains in the polymer matrix of bacterial microcolonies. Canadian Journal of Microbiology, 2007, 53, 450-458.	1.7	99
103	Structure and shear strength of microbial biofilms as determined with confocal laser scanning microscopy and fluid dynamic gauging using a novel rotating disc biofilm reactor. Biotechnology and Bioengineering, 2007, 98, 747-755.	3.3	98
104	STRUCTURAL AND FUNCTIONAL RESPONSES OF RIVER BIOFILM COMMUNITIES TO THE NONSTEROIDAL ANTI-INFLAMMATORY DICLOFENAC. Environmental Toxicology and Chemistry, 2007, 26, 573.	4.3	48
105	The EPS Matrix: The â€œHouse of Biofilm Cellsâ€• Journal of Bacteriology, 2007, 189, 7945-7947.	2.2	1,379
106	Contribution of alginate and levan production to biofilm formation by Pseudomonas syringae. Microbiology (United Kingdom), 2006, 152, 2909-2918.	1.8	158
107	Characterization of Adhesion Threads of Deinococcus geothermalis as Type IV Pili. Journal of Bacteriology, 2006, 188, 7016-7021.	2.2	34
108	Bacterial extracellular DNA forming a defined network-like structure. FEMS Microbiology Letters, 2006, 262, 31-38.	1.8	144

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109	Development and structure of microbial biofilms in river water studied by confocal laser scanning microscopy. FEMS Microbiology Ecology, 2006, 24, 11-25.	2.7	186
110	Confocal Microscopy of Biofilms â€" Spatiotemporal Approaches. , 2006, , 870-888.		4
111	An Endolithic Microbial Community in Dolomite Rock in Central Switzerland: Characterization by Reflection Spectroscopy, Pigment Analyses, Scanning Electron Microscopy, and Laser Scanning Microscopy. Microbial Ecology, 2006, 51, 353-364.	2.8	32
112	Adaptation of microbial communities in soil contaminated with polychlorinated biphenyls, leading to the transformation of more highly chlorinated congeners in biofilm communities. Biofilms, 2006, 3, 37-46.	0.6	14
113	Oxygen profiles and biomass distribution in biopellets ofAspergillus niger. Biotechnology and Bioengineering, 2005, 92, 614-623.	3.3	77
114	Effects of selected pharmaceuticals on riverine biofilm communities. Canadian Journal of Microbiology, 2005, 51, 655-669.	1.7	127
115	Three Stages of a Biofilm Community Developing at the Liquid-Liquid Interface between Polychlorinated Biphenyls and Water. Applied and Environmental Microbiology, 2005, 71, 7301-7309.	3.1	64
116	Community structure and photosynthetic activity of epilithon from a highly acidic (pH?2) mountain stream in Patagonia, Argentina. Extremophiles, 2004, 8, 463-473.	2.3	38
117	Volumetric measurements of bacterial cells and extracellular polymeric substance glycoconjugates in biofilms. Biotechnology and Bioengineering, 2004, 88, 585-592.	3.3	195
118	Microscale and Molecular Assessment of Impacts of Nickel, Nutrients, and Oxygen Level on Structure and Function of River Biofilm Communities. Applied and Environmental Microbiology, 2004, 70, 4326-4339.	3.1	129
119	Three-dimensional differentiation of photo-autotrophic biofilm constituents by multi-channel laser scanning microscopy (single-photon and two-photon excitation). Journal of Microbiological Methods, 2004, 56, 161-172.	1.6	96
120	One-photon versus Two-photon Laser Scanning Mic roscopy and Digital Image Analysis of Microbial Biofilms. Methods in Microbiology, 2004, 34, 89-136.	0.8	21
121	Two-Photon Imaging for Studying the Microbial Ecology of Biofilm Systems. Microbes and Environments, 2004, 19, 1-6.	1.6	15
122	Microscale Analyses of the Formation and Nature of Microbial Biofilm Communities in River Systems. Reviews in Environmental Science and Biotechnology, 2003, 2, 85-97.	8.1	20
123	Photolysis and Biodegradation of Selected Resin Acids in River Saale Water, Germany. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2003, 38, 2727-2747.	1.7	2
124	Development and Architecture of Complex Environmental Biofilms. , 2003, , 29-45.		3
125	Assessment of Fluorochromes for Two-Photon Laser Scanning Microscopy of Biofilms. Applied and Environmental Microbiology, 2002, 68, 901-909.	3.1	85
126	Investigation of lotic microbial aggregates by a combined technique of fluorescent in situ hybridization and lectin-binding-analysis. Journal of Microbiological Methods, 2002, 49, 75-87.	1.6	73

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127	Microscale Evaluation of the Effects of Grazing by Invertebrates with Contrasting Feeding Modes on River Biofilm Architecture and Composition. Microbial Ecology, 2002, 44, 199-207.	2.8	89
128	Inhibition of lotic biofilms by Diclofenac. Applied Microbiology and Biotechnology, 2002, 59, 488-492.	3.6	32
129	Sorption and metabolism of selected herbicides in river biofilm communities. Canadian Journal of Microbiology, 2001, 47, 634-641.	1.7	83
130	Selective degradation of ibuprofen and clofibric acid in two model river biofilm systems. Water Research, 2001, 35, 3197-3205.	11.3	191
131	Modelling the structure and function of extracellular polymeric substances in biofilms with new numerical techniques. Water Science and Technology, 2001, 43, 121-127.	2.5	53
132	Fluorescencein situ Hybridization of Freshwater Fungi. International Review of Hydrobiology, 2001, 86, 371-381.	0.9	30
133	Assessment of lectin-binding analysis for in situ detection of glycoconjugates in biofilm systems. Microbiology (United Kingdom), 2001, 147, 299-313.	1.8	248
134	Characterization of the microbial community of lotic organic aggregates (Ã¢Â€Â˜river snowÃ¢Â€Â™) in the Elbe River of Germany by cultivation and molecular methods. FEMS Microbiology Ecology, 2000, 33, 157-170.	2.7	64
135	A simple rotating annular reactor for replicated biofilm studies. Journal of Microbiological Methods, 2000, 42, 215-224.	1.6	81
136	Performance and microbial structure of a nitrifying fluidized-bed reactor. Water Research, 2000, 34, 311-319.	11.3	27
137	Phylogenetic Composition, Spatial Structure, and Dynamics of Lotic Bacterial Biofilms Investigated by Fluorescent in Situ Hybridization and Confocal Laser Scanning Microscopy. Microbial Ecology, 1999, 37, 225-237.	2.8	169
138	[10] Lectin-binding analysis in biofilm systems. Methods in Enzymology, 1999, 310, 145-152.	1.0	103
139	[9] Confocal laser scanning microscopy for analysis of microbial biofilms. Methods in Enzymology, 1999, 310, 131-144.	1.0	118
140	In Situ Characterization of Extracellular Polymeric Substances (EPS) in Biofilm Systems. , 1999, , 21-47.		35
141	What are Bacterial Extracellular Polymeric Substances?. , 1999, , 1-19.		250
142	Abundance and spatial organization of Gram-negative sulfate-reducing bacteria in activated sludge investigated by in situ probing with specific 16S rRNA targeted oligonucleotides. FEMS Microbiology Ecology, 1998, 25, 43-61.	2.7	227
143	Application of multiple parameter imaging for the quantification of algal, bacterial and exopolymer components of microbial biofilms. Journal of Microbiological Methods, 1998, 32, 253-261.	1.6	135
144	Abundance and spatial organization of Gram-negative sulfate-reducing bacteria in activated sludge investigated by in situ probing with specific 16S rRNA targeted oligonucleotides. FEMS Microbiology Ecology, 1998, 25, 43-61.	2.7	9

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145	Development and structure of microbial biofilms in river water studied by confocal laser scanning microscopy. FEMS Microbiology Ecology, 1997, 24, 11-25.	2.7	2
146	Significance of bacterial surface-active compounds in interaction of bacteria with interfaces.. Microbiological Reviews, 1996, 60, 151-166.	10.1	367
147	Significance of bacterial surface-active compounds in interaction of bacteria with interfaces. Microbiological Reviews, 1996, 60, 151-166.	10.1	498
148	Mikrobielle WerkstoffzerstÃ¶rung - SchadensfÃlle und GegenmaÃŸnahmen fÃ¼r Kunst- und Naturstoffe. Mikrobiologische ZerstÃ¶rung von Silikon-Elastomeren. Materials and Corrosion - Werkstoffe Und Korrosion, 1994, 45, 170-171.	1.5	1
149	Microflora on explanted silicone rubber voice prostheses: taxonomy, hydrophobicity and electrophoretic mobility. Journal of Applied Bacteriology, 1994, 76, 521-528.	1.1	49
150	Biosurfactant production by thermophilic dairy streptococci. Applied Microbiology and Biotechnology, 1994, 41, 4-7.	3.6	44
151	Biofilm Development in Time on a Silicone Voice Prosthesisâ€”A Case Study. Microbial Ecology in Health and Disease, 1994, 7, 27-33.	3.5	16
152	Biodeterioration of medical-grade silicone rubber used for voice prostheses: a SEM study. Biomaterials, 1993, 14, 459-464.	11.4	110
153	Microbial "footprints" and the general ability of microorganisms to label interfaces. Canadian Journal of Microbiology, 1992, 38, 1005-1008.	1.7	52
154	Biofilms Associated with Health. , 1992, , 21-34.		7
155	Microbial â€œfootprintsâ€â€”A new approach to adhesive polymers. Biofouling, 1991, 3, 101-112.	2.2	102
156	Bacterial Polymers: Physicochemical Aspects of Their Interactions at Interfaces. Journal of Biomaterials Applications, 1990, 5, 107-133.	2.4	109
157	An amphiphilic polysaccharide from an adhesiveRhodococcusstrain. FEMS Microbiology Letters, 1988, 49, 389-392.	1.8	42
158	Initial Attachment and Biofilm Formation of a Novel Crenarchaeote on Mineral Sulfides. Advanced Materials Research, 0, 1130, 127-130.	0.3	2
159	Aquatic Biofilms: Development, Cultivation, Analyses, and Applications. , 0, , 4.2.3-1-4.2.3-33.		7
160	Interspecies Interactions of Metal-Oxidizing Thermo-Acidophilic Archaea <i>Acidianus</i> and <i>Sulfolobus</i>. Advanced Materials Research, 0, 1130, 105-108.	0.3	3
161	Laser Scanning Microscopy for Microbial Flocs and Particles. , 0, , 469-505.		7
162	Laser Scanning Microscopy. , 0, , 34-53.		4