

# Jed A Fuhrman

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

221  
papers

30,291  
citations

85  
h-index

172  
g-index

246  
ext. papers

37,458  
ext. citations

9.6  
avg, IF

7.42  
L-index

#	Paper	IF	Citations
221	Immune lag is a major cost of prokaryotic adaptive immunity during viral outbreaks. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2021</b> , 288, 20211555	4.4	2
220	Estimating maximal microbial growth rates from cultures, metagenomes, and single cells via codon usage patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	18
219	Comprehensive single-PCR 16S and 18S rRNA community analysis validated with mock communities, and estimation of sequencing bias against 18S. <i>Environmental Microbiology</i> , <b>2021</b> , 23, 3240-3250	5.2	5
218	Metagenomics and Quantitative Stable Isotope Probing Offer Insights into Metabolism of Polycyclic Aromatic Hydrocarbon Degraders in Chronically Polluted Seawater. <i>MSystems</i> , <b>2021</b> , 6,	7.6	2
217	Evaluating and Improving Small Subunit rRNA PCR Primer Coverage for Bacteria, Archaea, and Eukaryotes Using Metagenomes from Global Ocean Surveys. <i>MSystems</i> , <b>2021</b> , 6, e0056521	7.6	7
216	Benchmarking microbial growth rate predictions from metagenomes. <i>ISME Journal</i> , <b>2021</b> , 15, 183-195	11.9	9
215	A network-based integrated framework for predicting virus-prokaryote interactions. <i>NAR Genomics and Bioinformatics</i> , <b>2020</b> , 2, lqaa044	3.7	23
214	Identifying viruses from metagenomic data using deep learning. <i>Quantitative Biology</i> , <b>2020</b> , 8, 64-77	3.9	96
213	Long-term stability and Red Queen-like strain dynamics in marine viruses. <i>Nature Microbiology</i> , <b>2020</b> , 5, 265-271	26.6	29
212	Microbial tropicalization driven by a strengthening western ocean boundary current. <i>Global Change Biology</i> , <b>2020</b> , 26, 5613-5629	11.4	4
211	Assessment of metagenomic assemblers based on hybrid reads of real and simulated metagenomic sequences. <i>Briefings in Bioinformatics</i> , <b>2020</b> , 21, 777-790	13.4	7
210	Influence of Light on Particulate Organic Matter Utilization by Attached and Free-Living Marine Bacteria. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1204	5.7	9
209	Multi-year dynamics of fine-scale marine cyanobacterial populations are more strongly explained by phage interactions than abiotic, bottom-up factors. <i>Environmental Microbiology</i> , <b>2019</b> , 21, 2948-2963	5.2	21
208	Dynamic marine viral infections and major contribution to photosynthetic processes shown by spatiotemporal picoplankton metatranscriptomes. <i>Nature Communications</i> , <b>2019</b> , 10, 1169	17.4	41
207	Microbial rhodopsins are major contributors to the solar energy captured in the sea. <i>Science Advances</i> , <b>2019</b> , 5, eaaw8855	14.3	41
206	A hydrocarbon-contaminated aquifer reveals a Piggyback-the-Persistent viral strategy. <i>FEMS Microbiology Ecology</i> , <b>2019</b> , 95,	4.3	1
205	Optimizing genome assembly from PCR-amplified metagenomes. <i>PeerJ</i> , <b>2019</b> , 7, e6902	3.1	14

204	Characterizing Chemoautotrophy and Heterotrophy in Marine Archaea and Bacteria With Single-Cell Multi-isotope NanoSIP. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2682	5.7	16
203	Minimum Information about an Uncultivated Virus Genome (MIUViG). <i>Nature Biotechnology</i> , <b>2019</b> , 37, 29-37	44.5	180
202	Discovery of several novel, widespread, and ecologically distinct marine Thaumarchaeota viruses that encode amoC nitrification genes. <i>ISME Journal</i> , <b>2019</b> , 13, 618-631	11.9	57
201	Vertical and Seasonal Patterns Control Bacterioplankton Communities at Two Horizontally Coherent Coastal Upwelling Sites off Galicia (NW Spain). <i>Microbial Ecology</i> , <b>2018</b> , 76, 866-884	4.4	10
200	Mosaic patterns of B-vitamin synthesis and utilization in a natural marine microbial community. <i>Environmental Microbiology</i> , <b>2018</b> , 20, 2809-2823	5.2	22
199	Short-term dynamics and interactions of marine protist communities during the spring-summer transition. <i>ISME Journal</i> , <b>2018</b> , 12, 1907-1917	11.9	42
198	Taxon Disappearance from Microbiome Analysis Reinforces the Value of Mock Communities as a Standard in Every Sequencing Run. <i>MSystems</i> , <b>2018</b> , 3,	7.6	34
197	A non-tailed twist in the viral tale. <i>Nature</i> , <b>2018</b> , 554, 38-39	50.4	2
196	Dynamics and interactions of highly resolved marine plankton via automated high-frequency sampling. <i>ISME Journal</i> , <b>2018</b> , 12, 2417-2432	11.9	35
195	Proteorhodopsins dominate the expression of phototrophic mechanisms in seasonal and dynamic marine picoplankton communities. <i>PeerJ</i> , <b>2018</b> , 6, e5798	3.1	10
194	Systematic, continental scale temporal monitoring of marine pelagic microbiota by the Australian Marine Microbial Biodiversity Initiative. <i>Scientific Data</i> , <b>2018</b> , 5, 180130	8.2	17
193	Distribution of Extracellular Flavins in a Coastal Marine Basin and Their Relationship to Redox Gradients and Microbial Community Members. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 12265-12274 <sup>103</sup> <sub>15</sub>		
192	Planktonic food web structure at a coastal time-series site: I. Partitioning of microbial abundances and carbon biomass. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2017</b> , 121, 14-29	2.5	16
191	Ecological dynamics and co-occurrence among marine phytoplankton, bacteria and myoviruses shows microdiversity matters. <i>ISME Journal</i> , <b>2017</b> , 11, 1614-1629	11.9	92
190	Genome and epigenome of a novel marine Thaumarchaeota strain suggest viral infection, phosphorothioation DNA modification and multiple restriction systems. <i>Environmental Microbiology</i> , <b>2017</b> , 19, 2434-2452	5.2	44
189	CAFE: aCcelerated Alignment-FrEe sequence analysis. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, W554-W559	20.1	34
188	A communal catalogue reveals Earth@ multiscale microbial diversity. <i>Nature</i> , <b>2017</b> , 551, 457-463	50.4	1076
187	VirFinder: a novel k-mer based tool for identifying viral sequences from assembled metagenomic data. <i>Microbiome</i> , <b>2017</b> , 5, 69	16.6	218

186	COCACOLA: binning metagenomic contigs using sequence COmposition, read CoverAge, CO-alignment and paired-end read LinkAge. <i>Bioinformatics</i> , <b>2017</b> , 33, 791-798	7.2	70
185	Marine archaeal dynamics and interactions with the microbial community over 5 years from surface to seafloor. <i>ISME Journal</i> , <b>2017</b> , 11, 2510-2525	11.9	28
184	Prediction of virus-host infectious association by supervised learning methods. <i>BMC Bioinformatics</i> , <b>2017</b> , 18, 60	3.6	26
183	Towards enhanced and interpretable clustering/classification in integrative genomics. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, e169	20.1	1
182	Alignment-free $d_2^*$ oligonucleotide frequency dissimilarity measure improves prediction of hosts from metagenomically-derived viral sequences. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, 39-53	20.1	136
181	Re-examination of the relationship between marine virus and microbial cell abundances. <i>Nature Microbiology</i> , <b>2016</b> , 1, 15024	26.6	169
180	Pronounced daily succession of phytoplankton, archaea and bacteria following a spring bloom. <i>Nature Microbiology</i> , <b>2016</b> , 1, 16005	26.6	197
179	Dilution reveals how viral lysis and grazing shape microbial communities. <i>Limnology and Oceanography</i> , <b>2016</b> , 61, 889-905	4.8	24
178	Millions of reads, thousands of taxa: microbial community structure and associations analyzed via marker genes. <i>FEMS Microbiology Reviews</i> , <b>2016</b> , 40, 686-700	15.1	115
177	Improved Bacterial 16S rRNA Gene (V4 and V4-5) and Fungal Internal Transcribed Spacer Marker Gene Primers for Microbial Community Surveys. <i>MSystems</i> , <b>2016</b> , 1,	7.6	703
176	Correlation detection strategies in microbial data sets vary widely in sensitivity and precision. <i>ISME Journal</i> , <b>2016</b> , 10, 1669-81	11.9	365
175	Proteorhodopsin light-enhanced growth linked to vitamin-B1 acquisition in marine Flavobacteria. <i>ISME Journal</i> , <b>2016</b> , 10, 1102-12	11.9	33
174	Every base matters: assessing small subunit rRNA primers for marine microbiomes with mock communities, time series and global field samples. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 1403-14	5.2	1190
173	The ocean sampling day consortium. <i>GigaScience</i> , <b>2015</b> , 4, 27	7.6	126
172	Seasonal and interannual variability of the marine bacterioplankton community throughout the water column over ten years. <i>ISME Journal</i> , <b>2015</b> , 9, 563-80	11.9	118
171	Heterotrophic Planktonic Microbes: Virus, Bacteria, Archaea, and Protozoa <b>2015</b> , 4.2.2-1-4.2.2-34		3
170	Statistical significance approximation in local trend analysis of high-throughput time-series data using the theory of Markov chains. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 301	3.6	9
169	Phylogenetic Diversity of Diazotrophs along an Experimental Nutrient Gradient in Mangrove Sediments. <i>Journal of Marine Science and Engineering</i> , <b>2015</b> , 3, 699-719	2.4	9

168	Cross-depth analysis of marine bacterial networks suggests downward propagation of temporal changes. <i>ISME Journal</i> , <b>2015</b> , 9, 2573-86	11.9	57
167	Marine microbial community dynamics and their ecological interpretation. <i>Nature Reviews Microbiology</i> , <b>2015</b> , 13, 133-46	22.2	372
166	A multitrophic model to quantify the effects of marine viruses on microbial food webs and ecosystem processes. <i>ISME Journal</i> , <b>2015</b> , 9, 1352-64	11.9	138
165	Top-down controls on bacterial community structure: microbial network analysis of bacteria, T4-like viruses and protists. <i>ISME Journal</i> , <b>2014</b> , 8, 816-29	11.9	207
164	Temporal variability and coherence of euphotic zone bacterial communities over a decade in the Southern California Bight. <i>ISME Journal</i> , <b>2013</b> , 7, 2259-73	11.9	98
163	Beta diversity of marine bacteria depends on temporal scale. <i>Ecology</i> , <b>2013</b> , 94, 1898-904	4.6	57
162	Performance of viruses and bacteriophages for fecal source determination in a multi-laboratory, comparative study. <i>Water Research</i> , <b>2013</b> , 47, 6929-43	12.5	68
161	Short-term observations of marine bacterial and viral communities: patterns, connections and resilience. <i>ISME Journal</i> , <b>2013</b> , 7, 1274-85	11.9	97
160	Macroecological patterns of marine bacteria on a global scale. <i>Journal of Biogeography</i> , <b>2013</b> , 40, 800-814	11.1	42
159	Microbial Biogeography <b>2013</b> , 271-279		1
158	Efficient statistical significance approximation for local similarity analysis of high-throughput time series data. <i>Bioinformatics</i> , <b>2013</b> , 29, 230-7	7.2	83
157	Strong seasonality and interannual recurrence in marine myovirus communities. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 6253-9	4.8	29
156	Genomics and physiology of a marine flavobacterium encoding a proteorhodopsin and a xanthorhodopsin-like protein. <i>PLoS ONE</i> , <b>2013</b> , 8, e57487	3.7	38
155	Seasonality and monthly dynamics of marine myovirus communities. <i>Environmental Microbiology</i> , <b>2012</b> , 14, 2171-83	5.2	56
154	Defining seasonal marine microbial community dynamics. <i>ISME Journal</i> , <b>2012</b> , 6, 298-308	11.9	656
153	Computational methods for the analysis of tag sequences in metagenomics studies. <i>Frontiers in Bioscience - Scholar</i> , <b>2012</b> , 4, 1333-43	2.4	2
152	Global distribution and diversity of marine Verrucomicrobia. <i>ISME Journal</i> , <b>2012</b> , 6, 1499-505	11.9	118
151	Beyond biogeographic patterns: processes shaping the microbial landscape. <i>Nature Reviews Microbiology</i> , <b>2012</b> , 10, 497-506	22.2	890

150	Unlocking the potential of metagenomics through replicated experimental design. <i>Nature Biotechnology</i> , <b>2012</b> , 30, 513-20	44.5	212
149	Long-term nitrogen and phosphorus fertilization effects on N <sub>2</sub> fixation rates and nifH gene community patterns in mangrove sediments. <i>Marine Ecology</i> , <b>2012</b> , 33, 117-127	1.4	38
148	Global biogeography of SAR11 marine bacteria. <i>Molecular Systems Biology</i> , <b>2012</b> , 8, 595	12.2	146
147	Metagenomics and its connection to microbial community organization. <i>F1000 Biology Reports</i> , <b>2012</b> , 4, 15		12
146	Ecosystem services, targets, and indicators for the conservation and sustainable use of biodiversity. <i>Frontiers in Ecology and the Environment</i> , <b>2011</b> , 9, 512-520	5.5	85
145	Minimum information about a marker gene sequence (MIMARKS) and minimum information about any (x) sequence (MIxS) specifications. <i>Nature Biotechnology</i> , <b>2011</b> , 29, 415-20	44.5	445
144	Global patterns of bacterial beta-diversity in seafloor and seawater ecosystems. <i>PLoS ONE</i> , <b>2011</b> , 6, e24570	37.0	398
143	Accurate genome relative abundance estimation based on shotgun metagenomic reads. <i>PLoS ONE</i> , <b>2011</b> , 6, e27992	3.7	75
142	The Earth Microbiome Project: The Meeting Report for the 1st International Earth Microbiome Project Conference, Shenzhen, China, June 13th-15th 2011. <i>Standards in Genomic Sciences</i> , <b>2011</b> , 5, 243-247		13
141	Marine viruses and global climate change. <i>FEMS Microbiology Reviews</i> , <b>2011</b> , 35, 993-1034	15.1	218
140	Co-occurrence patterns for abundant marine archaeal and bacterial lineages in the deep chlorophyll maximum of coastal California. <i>ISME Journal</i> , <b>2011</b> , 5, 1077-85	11.9	65
139	Marine bacterial, archaeal and protistan association networks reveal ecological linkages. <i>ISME Journal</i> , <b>2011</b> , 5, 1414-25	11.9	413
138	Extended local similarity analysis (eLSA) of microbial community and other time series data with replicates. <i>BMC Systems Biology</i> , <b>2011</b> , 5 Suppl 2, S15	3.5	128
137	Global declines in oceanic nitrification rates as a consequence of ocean acidification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 208-13	11.5	240
136	Oceans of Crenarchaeota: a Personal History Describing This Paradigm Shift. <i>Microbe Magazine</i> , <b>2011</b> , 6, 531-537		2
135	Population ecology of nitrifying archaea and bacteria in the Southern California Bight. <i>Environmental Microbiology</i> , <b>2010</b> , 12, 1282-92	5.2	80
134	Biodiversity Transcends Services--Response. <i>Science</i> , <b>2010</b> , 330, 1745-1745	33.3	8
133	Ecological Role of Viruses in Aquatic Ecosystems <b>2010</b> ,		3

132	Conservation. Ecosystem services for 2020. <i>Science</i> , <b>2010</b> , 330, 323-4	33.3	156
131	Microbiological water quality at non-human influenced reference beaches in southern California during wet weather. <i>Marine Pollution Bulletin</i> , <b>2010</b> , 60, 500-8	6.7	26
130	Burrowing deeper into benthic nitrogen cycling: the impact of bioturbation on nitrogen fixation coupled to sulfate reduction. <i>Marine Ecology - Progress Series</i> , <b>2010</b> , 409, 1-15	2.6	117
129	Time- and sediment depth-related variations in bacterial diversity and community structure in subtidal sands. <i>ISME Journal</i> , <b>2009</b> , 3, 780-91	11.9	123
128	Microbial community structure in the North Pacific ocean. <i>ISME Journal</i> , <b>2009</b> , 3, 1374-86	11.9	170
127	Microbial community structure and its functional implications. <i>Nature</i> , <b>2009</b> , 459, 193-9	50.4	742
126	Microbiological Water Quality at Non-Human Impacted Reference Beaches in Southern California During wet Weather. <i>Proceedings of the Water Environment Federation</i> , <b>2009</b> , 2009, 1193-1212		
125	Proteorhodopsins: an array of physiological roles?. <i>Nature Reviews Microbiology</i> , <b>2008</b> , 6, 488-94	22.2	191
124	A latitudinal diversity gradient in planktonic marine bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 7774-8	11.5	473
123	Community structure of marine bacterioplankton: patterns, networks, and relationships to function. <i>Aquatic Microbial Ecology</i> , <b>2008</b> , 53, 69-81	1.1	166
122	Viruses, Bacteria, and the Microbial Loop <b>2008</b> , 1097-1134		4
121	A comparison of taxon co-occurrence patterns for macro- and microorganisms. <i>Ecology</i> , <b>2007</b> , 88, 1345-53	16	190
120	Virus and prokaryote enumeration from planktonic aquatic environments by epifluorescence microscopy with SYBR Green I. <i>Nature Protocols</i> , <b>2007</b> , 2, 269-76	18.8	214
119	Diversity and biogeography of bacterial assemblages in surface sediments across the San Pedro Basin, Southern California Borderlands. <i>Environmental Microbiology</i> , <b>2007</b> , 9, 923-33	5.2	64
118	Characterization of lysogens in bacterioplankton assemblages of the southern California borderland. <i>Microbial Ecology</i> , <b>2007</b> , 53, 631-8	4.4	23
117	Covariation of viral parameters with bacterial assemblage richness and diversity in the water column and sediments. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2007</b> , 54, 811-830	2.5	40
116	Improved strategy for comparing microbial assemblage fingerprints. <i>Microbial Ecology</i> , <b>2006</b> , 51, 147-53	4.4	78
115	Viral and bacterial assemblage covariance in oligotrophic waters of the West Florida Shelf (Gulf of Mexico). <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2006</b> , 86, 591-603	1.1	24

114	A dynamic programming algorithm for binning microbial community profiles. <i>Bioinformatics</i> , <b>2006</b> , 22, 1508-14	7.2	17
113	Diversity of virus-like agents killing <i>Microcystis aeruginosa</i> in a hyper-eutrophic pond. <i>Journal of Plankton Research</i> , <b>2006</b> , 28, 407-412	2.2	23
112	Local similarity analysis reveals unique associations among marine bacterioplankton species and environmental factors. <i>Bioinformatics</i> , <b>2006</b> , 22, 2532-8	7.2	183
111	Annually reoccurring bacterial communities are predictable from ocean conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 13104-9	11.5	453
110	Multitiered approach using quantitative PCR to track sources of fecal pollution affecting Santa Monica Bay, California. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 1604-12	4.8	108
109	Remarkable heterogeneity in meso- and bathypelagic bacterioplankton assemblage composition. <i>Limnology and Oceanography</i> , <b>2006</b> , 51, 1274-1283	4.8	62
108	Viral impacts upon marine bacterioplankton assemblage structure. <i>Journal of the Marine Biological Association of the United Kingdom</i> , <b>2006</b> , 86, 577-589	1.1	40
107	Microbial biogeography: putting microorganisms on the map. <i>Nature Reviews Microbiology</i> , <b>2006</b> , 4, 102-112	12.2	1881
106	Influence of Amazon and Orinoco offshore surface water plumes on oligotrophic bacterioplankton diversity in the west tropical Atlantic. <i>Aquatic Microbial Ecology</i> , <b>2006</b> , 43, 11-22	1.1	18
105	Spatial and vertical biogeography of coral reef sediment bacterial and diazotroph communities. <i>Marine Ecology - Progress Series</i> , <b>2006</b> , 306, 79-86	2.6	52
104	Temporal and spatial scales of variation in bacterioplankton assemblages of oligotrophic surface waters. <i>Marine Ecology - Progress Series</i> , <b>2006</b> , 311, 67-77	2.6	70
103	Wide-ranging abundances of aerobic anoxygenic phototrophic bacteria in the world ocean revealed by epifluorescence microscopy and quantitative PCR. <i>Limnology and Oceanography</i> , <b>2005</b> , 50, 620-628	4.8	86
102	Structure of microbial communities in ethanol biofilters. <i>Chemical Engineering Journal</i> , <b>2005</b> , 113, 135-143	4.7	36
101	Coupling 16S-ITS rDNA clone libraries and automated ribosomal intergenic spacer analysis to show marine microbial diversity: development and application to a time series. <i>Environmental Microbiology</i> , <b>2005</b> , 7, 1466-79	5.2	205
100	Whither or wither geomicrobiology in the era of community metagenomics? <i>Nature Reviews Microbiology</i> , <b>2005</b> , 3, 572-8	22.2	53
99	Rapid detection of enteroviruses in small volumes of natural waters by real-time quantitative reverse transcriptase PCR. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 4523-30	4.8	86
98	Impact of light on marine bacterioplankton community structure. <i>Aquatic Microbial Ecology</i> , <b>2005</b> , 39, 235-245	1.1	40
97	Marine bacterial microdiversity as revealed by internal transcribed spacer analysis. <i>Aquatic Microbial Ecology</i> , <b>2005</b> , 41, 15-23	1.1	100



96	Richness and diversity of bacterioplankton species along an estuarine gradient in Moreton Bay, Australia. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 3425-33	4.8	169
95	Viral effects on bacterial community composition in marine plankton microcosms. <i>Aquatic Microbial Ecology</i> , <b>2004</b> , 34, 117-127	1.1	74
94	Evidence of Trichodesmium viral lysis and potential significance for biogeochemical cycling in the oligotrophic ocean. <i>Aquatic Microbial Ecology</i> , <b>2004</b> , 36, 1-8	1.1	67
93	A comparative study of culture-independent, library-independent genotypic methods of fecal source tracking. <i>Journal of Water and Health</i> , <b>2003</b> , 1, 181-194	2.2	57
92	Viriobenthos production and virioplankton sorptive scavenging by suspended sediment particles in coastal and pelagic waters. <i>Microbial Ecology</i> , <b>2003</b> , 46, 337-47	4.4	76
91	The vertical distribution and diversity of marine bacteriophage at a station off Southern California. <i>Microbial Ecology</i> , <b>2003</b> , 45, 399-410	4.4	24
90	Bacterial diversity in shallow oligotrophic marine benthos and overlying waters: effects of virus infection, containment, and nutrient enrichment. <i>Microbial Ecology</i> , <b>2003</b> , 46, 322-36	4.4	85
89	Viral influence on aquatic bacterial communities. <i>Biological Bulletin</i> , <b>2003</b> , 204, 192-5	1.5	70
88	Tiered approach for identification of a human fecal pollution source at a recreational beach: case study at Avalon Bay, Catalina Island, California. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 673-80	10.3	139
87	<i>Silicibacter pomeroyi</i> sp. nov. and <i>Roseovarius nubinhibens</i> sp. nov., dimethylsulfoniopropionate-demethylating bacteria from marine environments. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2003</b> , 53, 1261-1269	2.2	189
86	A comparative study of culture-independent, library-independent genotypic methods of fecal source tracking. <i>Journal of Water and Health</i> , <b>2003</b> , 1, 181-94	2.2	15
85	Prokaryotic and viral diversity patterns in marine plankton. <i>Ecological Research</i> , <b>2002</b> , 17, 183-194	1.9	30
84	Community structure and function in prokaryotic marine plankton. <i>Antonie Van Leeuwenhoek</i> , <b>2002</b> , 81, 521-7	2.1	21
83	Enteroviruses detected by reverse transcriptase polymerase chain reaction from the coastal waters of Santa Monica Bay, California: low correlation to bacterial indicator levels. <i>Hydrobiologia</i> , <b>2001</b> , 460, 175-184	2.4	109
82	Virus-like particle distribution and abundance in sediments and overlying waters along eutrophication gradients in two subtropical estuaries. <i>Limnology and Oceanography</i> , <b>2001</b> , 46, 1734-1746	4.8	126
81	Marine Planktonic Archaea Take Up Amino Acids. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 1023-1023	1	1
80	Enteroviruses detected by reverse transcriptase polymerase chain reaction from the coastal waters of Santa Monica Bay, California: low correlation to bacterial indicator levels <b>2001</b> , 175-184		2
79	Rapid virus production and removal as measured with fluorescently labeled viruses as tracers. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 3790-7	4.8	77

78	Marine planktonic archaea take up amino acids. <i>Applied and Environmental Microbiology</i> , <b>2000</b> , 66, 4829-33	4.8	270
77	Significance of size and nucleic acid content heterogeneity as measured by flow cytometry in natural planktonic bacteria. <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 4475-83	4.8	379
76	Marine viruses and their biogeochemical and ecological effects. <i>Nature</i> , <b>1999</b> , 399, 541-8	50.4	1503
75	Breakdown and microbial uptake of marine viruses and other lysis products. <i>Aquatic Microbial Ecology</i> , <b>1999</b> , 20, 1-11	1.1	66
74	Combined microautoradiography-16S rRNA probe technique for determination of radioisotope uptake by specific microbial cell types in situ. <i>Applied and Environmental Microbiology</i> , <b>1999</b> , 65, 1746-52	4.8	245
73	Effects of viral enrichment on the mortality and growth of heterotrophic bacterioplankton. <i>Aquatic Microbial Ecology</i> , <b>1999</b> , 18, 1-13	1.1	37
72	Marine microbial diversity studied via 16S rRNA sequences: cloning results from coastal waters and counting of native archaea with fluorescent single cell probes. <i>Aquatic Ecology</i> , <b>1998</b> , 32, 3-15	1.9	50
71	Use of SYBR Green I for rapid epifluorescence counts of marine viruses and bacteria. <i>Aquatic Microbial Ecology</i> , <b>1998</b> , 14, 113-118	1.1	718
70	Widespread Archaea and novel Bacteria from the deep sea as shown by 16S rRNA gene sequences. <i>Marine Ecology - Progress Series</i> , <b>1997</b> , 150, 275-285	2.6	181
69	Loss rate of an oligotrophic bacterial assemblage as measured by H-thymidine and PO <sub>4</sub> (4): good agreement and near-balance with production. <i>Aquatic Microbial Ecology</i> , <b>1996</b> , 10, 29-36	1.1	14
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67	Imperfect retention of natural bacterioplankton cells by glass fiber filters. <i>Marine Ecology - Progress Series</i> , <b>1995</b> , 119, 285-290	2.6	46
66	Characterization of marine prokaryotic communities via DNA and RNA. <i>Microbial Ecology</i> , <b>1994</b> , 28, 133-45	4.4	60
65	Bacterial viruses in coastal seawater: lytic rather than lysogenic production. <i>Marine Ecology - Progress Series</i> , <b>1994</b> , 114, 35-45	2.6	106
64	Viruses in Marine Planktonic Systems. <i>Oceanography</i> , <b>1993</b> , 6, 51-63	2.3	212
63	Phylogenetic diversity of subsurface marine microbial communities from the Atlantic and Pacific Oceans. <i>Applied and Environmental Microbiology</i> , <b>1993</b> , 59, 1294-302	4.8	325
62	Bacterioplankton Roles in Cycling of Organic Matter: The Microbial Food Web <b>1992</b> , 361-383		94
61	Growth efficiencies of freshwater bacterioplankton. <i>Microbial Ecology</i> , <b>1992</b> , 24, 145-60	4.4	20

60	Novel major archaeobacterial group from marine plankton. <i>Nature</i> , <b>1992</b> , 356, 148-9	50.4	680
59	Mortality of marine bacteria in response to enrichments of the virus size fraction from seawater. <i>Marine Ecology - Progress Series</i> , <b>1992</b> , 87, 283-293	2.6	52
58	Spatial and temporal variation of natural bacterioplankton assemblages studied by total genomic DNA cross-hybridization. <i>Limnology and Oceanography</i> , <b>1991</b> , 36, 1277-1287	4.8	57
57	Dependent coupling of inorganic and organic nitrogen uptake and regeneration in the plume of the Chesapeake Bay estuary and its regulation by large heterotrophs. <i>Limnology and Oceanography</i> , <b>1991</b> , 36, 895-909	4.8	92
56	Possible biogeochemical consequences of ocean fertilization. <i>Limnology and Oceanography</i> , <b>1991</b> , 36, 1951-1959	4.8	54
55	Roles of viral infection in organic particle flux. <i>Marine Ecology - Progress Series</i> , <b>1991</b> , 69, 133-142	2.6	106
54	Dissolved free amino acids in the Sargasso Sea: uptake and respiration rates, turnover times, and concentrations. <i>Marine Ecology - Progress Series</i> , <b>1991</b> , 70, 189-199	2.6	59
53	Species composition shift of confined bacterioplankton studied at the level of community DNA. <i>Marine Ecology - Progress Series</i> , <b>1991</b> , 79, 195-201	2.6	29
52	Rapid ammonium cycling and concentration-dependent partitioning of ammonium and phosphate: Implications for carbon transfer in planktonic communities. <i>Limnology and Oceanography</i> , <b>1990</b> , 35, 424-433	4.8	58
51	Gyrotaxis as a new mechanism for generating spatial heterogeneity and migration in microplankton. <i>Limnology and Oceanography</i> , <b>1990</b> , 35, 123-130	4.8	14
50	Viral mortality of marine bacteria and cyanobacteria. <i>Nature</i> , <b>1990</b> , 343, 60-62	50.4	711
49	Mesoscale and seasonal variability of heterotrophic nanoflagellate abundance in an estuarine outflow plume. <i>Marine Ecology - Progress Series</i> , <b>1990</b> , 61, 207-213	2.6	14
48	Dissolved free amino acid cycling in an estuarine outflow plume. <i>Marine Ecology - Progress Series</i> , <b>1990</b> , 66, 197-203	2.6	49
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43	Extraction from natural planktonic microorganisms of DNA suitable for molecular biological studies. <i>Applied and Environmental Microbiology</i> , <b>1988</b> , 54, 1426-9	4.8	202

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41	Clearance of bacteria-sized particles by natural populations of nanoplankton in the Chesapeake Bay outflow plume. <i>Marine Ecology - Progress Series</i> , <b>1988</b> , 42, 199-206	2.6	32
40	Use of <sup>13</sup> N as tracer for bacterial and algal uptake of ammonium from sea-water. <i>Marine Ecology - Progress Series</i> , <b>1988</b> , 45, 271-278	2.6	38
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38	Effects of four organic pollutants on the growth of natural marine bacterioplankton populations. <i>Marine Ecology - Progress Series</i> , <b>1988</b> , 47, 185-194	2.6	8
37	Relationships between biovolume and biomass of naturally derived marine bacterioplankton. <i>Deep Sea Research Part B Oceanographic Literature Review</i> , <b>1987</b> , 34, 1069		7
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31	Zooplankton induced changes in dissolved free amino acids and in production rates of freshwater bacteria. <i>Microbial Ecology</i> , <b>1986</b> , 12, 247-58	4.4	36
30	Bacterivory in seawater studied with the use of inert fluorescent particles1. <i>Limnology and Oceanography</i> , <b>1986</b> , 31, 420-426	4.8	62
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26	Biological considerations in the measurement of dissolved free amino acids in seawater and implications for chemical and microbiological studies. <i>Marine Ecology - Progress Series</i> , <b>1985</b> , 25, 13-21	2.6	74
25	Diel variations in bacterioplankton, phytoplankton, and related parameters in the Southern California Bight. <i>Marine Ecology - Progress Series</i> , <b>1985</b> , 27, 9-20	2.6	70

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20	Adaptations of bacteria to marine subsurface waters studied by temperature response. <i>Marine Ecology - Progress Series</i> , <b>1983</b> , 13, 95-98	2.6	15
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11	Bacterioplankton secondary production estimates for coastal waters of british columbia, antarctica, and california. <i>Applied and Environmental Microbiology</i> , <b>1980</b> , 39, 1085-95	4.8	554
10	Marine alga <i>Platymonas</i> sp. accumulates silicon without apparent requirement. <i>Nature</i> , <b>1978</b> , 272, 244-246.4	2.6	20
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