Staffan Kjelleberg

List of Publications by Year
in descending order

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337 papers	42,939 citations	1606 105 h-index	2736 192 g-index
355 all docs	355 docs citations	355 times ranked	32680 citing authors

#	Article	IF	Citations
1	Biofilms: an emergent form of bacterial life. Nature Reviews Microbiology, 2016, 14, 563-575.	13.6	3,725
2	Animals in a bacterial world, a new imperative for the life sciences. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3229-3236.	3.3	2,181
3	Attenuation of Pseudomonas aeruginosa virulence by quorum sensing inhibitors. EMBO Journal, 2003, 22, 3803-3815.	3.5	1,205
4	Inhibition of quorum sensing in Pseudomonas aeruginosa biofilm bacteria by a halogenated furanone compound. Microbiology (United Kingdom), 2002, 148, 87-102.	0.7	919
5	A characterization of DNA release in Pseudomonas aeruginosa cultures and biofilms. Molecular Microbiology, 2006, 59, 1114-1128.	1.2	851
6	Bacterial community assembly based on functional genes rather than species. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14288-14293.	3.3	768
7	Should we stay or should we go: mechanisms and ecological consequences for biofilm dispersal. Nature Reviews Microbiology, 2012, 10, 39-50.	13.6	702
8	The genomic basis of trophic strategy in marine bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15527-15533.	3.3	685
9	Involvement of Nitric Oxide in Biofilm Dispersal of Pseudomonas aeruginosa. Journal of Bacteriology, 2006, 188, 7344-7353.	1.0	666
10	Enhanced Biofilm Formation and Increased Resistance to Antimicrobial Agents and Bacterial Invasion Are Caused by Synergistic Interactions in Multispecies Biofilms. Applied and Environmental Microbiology, 2006, 72, 3916-3923.	1.4	572
11	Evidence that halogenated furanones from Delisea pulchra inhibit acylated homoserine lactone (AHL)-mediated gene expression by displacing the AHL signal from its receptor protein. Microbiology (United Kingdom), 1999, 145, 283-291.	0.7	565
12	The seaweed holobiont: understanding seaweedâ€“bacteria interactions. FEMS Microbiology Reviews, 2013, 37, 462-476.	3.9	560
13	Off the hook â€“ how bacteria survive protozoan grazing. Trends in Microbiology, 2005, 13, 302-307.	3.5	549
14	Halogenated furanones inhibit quorum sensing through accelerated LuxR turnover. Microbiology (United Kingdom), 2002, 148, 1119-1127.	0.7	526
15	Cell Death in Pseudomonas aeruginosa Biofilm Development. Journal of Bacteriology, 2003, 185, 4585-4592.	1.0	526
16	Quorum-sensing cross talk: isolation and chemical characterization of cyclic dipeptides from Pseudomonas aeruginosa and other Gram-negative bacteria. Molecular Microbiology, 2002, 33, 1254-1266.	1.2	516
17	Use of 16S rRNA and rpoB Genes as Molecular Markers for Microbial Ecology Studies. Applied and Environmental Microbiology, 2007, 73, 278-288.	1.4	492
18	Marine Pseudoalteromonas species are associated with higher organisms and produce biologically active extracellular agents. FEMS Microbiology Ecology, 1999, 30, 285-293.	1.3	448

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19	Nitric Oxide Signaling inPseudomonas aeruginosaBiofilms Mediates Phosphodiesterase Activity, Decreased Cyclic Di-GMP Levels, and Enhanced Dispersal. Journal of Bacteriology, 2009, 191, 7333-7342.	1.0	432
20	rpoB -Based Microbial Community Analysis Avoids Limitations Inherent in 16S rRNA Gene Intraspecies Heterogeneity. Applied and Environmental Microbiology, 2000, 66, 3376-3380.	1.4	378
21	Composition, uniqueness and variability of the epiphytic bacterial community of the green alga Ulva australis. ISME Journal, 2011, 5, 590-600.	4.4	361
22	Functional equivalence and evolutionary convergence in complex communities of microbial sponge symbionts. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1878-87.	3.3	361
23	The role of quorum sensing signalling in EPS production and the assembly of a sludge community into aerobic granules. ISME Journal, 2014, 8, 1186-1197.	4.4	330
24	The Transient Phase Between Growth and Nongrowth of Heterotrophic Bacteria, with Emphasis on the Marine Environment. Annual Review of Microbiology, 1987, 41, 25-49.	2.9	322
25	Marine Pseudoalteromonas species are associated with higher organisms and produce biologically active extracellular agents. FEMS Microbiology Ecology, 1999, 30, 285-293.	1.3	315
26	The biofilm life cycle and virulence of Pseudomonas aeruginosa are dependent on a filamentous prophage. ISME Journal, 2009, 3, 271-282.	4.4	296
27	A novel and sensitive method for the quantification ofN-3-oxoacyl homoserine lactones using gas chromatography-mass spectrometry: application to a model bacterial biofilm. Environmental Microbiology, 2000, 2, 530-541.	1.8	295
28	Dispersed cells represent a distinct stage in the transition from bacterial biofilm to planktonic lifestyles. Nature Communications, 2014, 5, 4462.	5.8	294
29	Biofilm formation and phenotypic variation enhance predation-driven persistence of Vibrio cholerae. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16819-16824.	3.3	288
30	Microbial landscapes: new paths to biofilm research. Nature Reviews Microbiology, 2007, 5, 76-81.	13.6	288
31	Biofilm development and enhanced stress resistance of a model, mixed-species community biofilm. ISME Journal, 2014, 8, 894-907.	4.4	282
32	Functional genomic signatures of sponge bacteria reveal unique and shared features of symbiosis. ISME Journal, 2010, 4, 1557-1567.	4.4	278
33	Hydrophobic Interactions: Role in Bacterial Adhesion. Advances in Microbial Ecology, 1986, , 353-393.	0.1	271
34	AHL-driven quorum-sensing circuits: their frequency and function among the Proteobacteria. ISME Journal, 2008, 2, 345-349.	4.4	257
35	Bacterial biofilms: prokaryotic adventures in multicellularity. Current Opinion in Microbiology, 2003, 6, 578-585.	2.3	251
36	Competitive Interactions in Mixed-Species Biofilms Containing the Marine Bacterium Pseudoalteromonas tunicata. Applied and Environmental Microbiology, 2005, 71, 1729-1736.	1.4	251

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37	Nonculturability: adaptation or debilitation?. FEMS Microbiology Ecology, 1998, 25, 1-9.	1.3	250
38	Bacteriophage and Phenotypic Variation in Pseudomonas aeruginosa Biofilm Development. Journal of Bacteriology, 2004, 186, 8066-8073.	1.0	245
39	Biofilm Formation and Sloughing in Serratia marcescens Are Controlled by Quorum Sensing and Nutrient Cues. Journal of Bacteriology, 2005, 187, 3477-3485.	1.0	243
40	Nitric oxideâ€•mediated dispersal in singleâ€•and multiâ€•species biofilms of clinically and industrially relevant microorganisms. Microbial Biotechnology, 2009, 2, 370-378.	2.0	240
41	Chemical mediation of bacterial surface colonisation by secondary metabolites from the red alga Delisea pulchra. Aquatic Microbial Ecology, 1998, 15, 233-246.	0.9	238
42	How Delisea pulchra furanones affect quorum sensing and swarming motility in Serratia liquefaciens MG1. Microbiology (United Kingdom), 2000, 146, 3237-3244.	0.7	234
43	Extracellular polymeric substances of biofilms: Suffering from an identity crisis. Water Research, 2019, 151, 1-7.	5.3	228
44	Host specificity in marine sponge-associated bacteria, and potential implications for marine microbial diversity. Environmental Microbiology, 2004, 6, 121-130.	1.8	227
45	Is there a role for quorum sensing signals in bacterial biofilms?. Current Opinion in Microbiology, 2002, 5, 254-258.	2.3	224
46	Enhancing Bidirectional Electron Transfer of Shewanella oneidensis by a Synthetic Flavin Pathway. ACS Synthetic Biology, 2015, 4, 815-823.	1.9	219
47	Larval settlement of the common Australian sea urchin Heliocidaris erythrogramma in response to bacteria from the surface of coralline algae. Oecologia, 2006, 149, 604-619.	0.9	218
48	Starvation-Induced Effects on Bacterial Surface Characteristics. Applied and Environmental Microbiology, 1984, 48, 497-503.	1.4	215
49	Quorum Sensing-Controlled Biofilm Development in Serratia liquefaciens MG1. Journal of Bacteriology, 2004, 186, 692-698.	1.0	213
50	Impact of Violacein-Producing Bacteria on Survival and Feeding of Bacterivorous Nanoflagellates. Applied and Environmental Microbiology, 2004, 70, 1593-1599.	1.4	209
51	Inhibition of Luminescence and Virulence in the Black Tiger Prawn (Penaeus monodon) Pathogen Vibrio harveyi by Intercellular Signal Antagonists. Applied and Environmental Microbiology, 2000, 66, 2079-2084.	1.4	203
52	Nitric Oxide: A Key Mediator of Biofilm Dispersal with Applications in Infectious Diseases. Current Pharmaceutical Design, 2014, 21, 31-42.	0.9	201
53	The hydrophobicity of bacteria ? An important factor in their initial adhesion at the air-water inteface. Archives of Microbiology, 1981, 128, 267-270.	1.0	197
54	Effect of Interfaces on Small, Starved Marine Bacteria. Applied and Environmental Microbiology, 1982, 43, 1166-1172.	1.4	195

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55	Development of Novel Drugs from Marine Surface Associated Microorganisms. Marine Drugs, 2010, 8, 438-459.	2.2	193
56	Inhibition of Settlement by Larvae of Balanus amphitrite and Ciona intestinalis by a Surface-Colonizing Marine Bacterium. Applied and Environmental Microbiology, 1992, 58, 2111-2115.	1.4	191
57	Microcolonies, quorum sensing and cytotoxicity determine the survival of Pseudomonas aeruginosa biofilms exposed to protozoan grazing. Environmental Microbiology, 2004, 6, 218-226.	1.8	183
58	Unlocking the diversity and biotechnological potential of marine surface associated microbial communities. Current Opinion in Microbiology, 2008, 11, 219-225.	2.3	183
59	Physiological and morphological changes during short term starvation of marine bacterial islates. Archives of Microbiology, 1985, 142, 326-332.	1.0	182
60	Chemical cues for surface colonization. Journal of Chemical Ecology, 2002, 28, 1935-1951.	0.9	176
61	Marine Biofilm Bacteria Evade Eukaryotic Predation by Targeted Chemical Defense. PLoS ONE, 2008, 3, e2744.	1.1	176
62	Initial Phases of Starvation and Activity of Bacteria at Surfaces. Applied and Environmental Microbiology, 1983, 46, 978-984.	1.4	176
63	Pseudomonas aeruginosa PAO1 Preferentially Grows as Aggregates in Liquid Batch Cultures and Disperses upon Starvation. PLoS ONE, 2009, 4, e5513.	1.1	175
64	Variability and abundance of the epiphytic bacterial community associated with a green marine Ulvacean alga. ISME Journal, 2010, 4, 301-311.	4.4	172
65	How do non-differentiating bacteria adapt to starvation?. Antonie Van Leeuwenhoek, 1993, 63, 333-341.	0.7	166
66	Implications of rRNA Operon Copy Number and Ribosome Content in the Marine Oligotrophic Ultramicrobacterium Sphingomonas sp. Strain RB2256. Applied and Environmental Microbiology, 1998, 64, 4433-4438.	1.4	160
67	Colonization in the fish intestinal tract and production of inhibitory substances in intestinal mucus and faecal extracts by Carnobacterium sp. strain K1. Journal of Fish Diseases, 1997, 20, 383-392.	0.9	157
68	Low Densities of Epiphytic Bacteria from the Marine Alga Ulva australis Inhibit Settlement of Fouling Organisms. Applied and Environmental Microbiology, 2007, 73, 7844-7852.	1.4	152
69	Climate change and disease: bleaching of a chemically defended seaweed. Global Change Biology, 2011, 17, 2958-2970.	4.2	151
70	The LuxR receptor: the sites of interaction with quorum-sensing signals and inhibitors. Microbiology (United Kingdom), 2005, 151, 3589-3602.	0.7	150
71	Sex, Scavengers, and Chaperones: Transcriptome Secrets of DivergentSymbiodiniumThermal Tolerances. Molecular Biology and Evolution, 2016, 33, 2201-2215.	3.5	149
72	Low-Dose Nitric Oxide as Targeted Anti-biofilm Adjunctive Therapy to Treat Chronic Pseudomonas aeruginosa Infection in Cystic Fibrosis. Molecular Therapy, 2017, 25, 2104-2116.	3.7	149

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73	Halogenated furanones from the red alga,Delisea pulchra, inhibit carbapenem antibiotic synthesis and exoenzyme virulence factor production in the phytopathogenErwinia carotovora. FEMS Microbiology Letters, 2001, 205, 131-138.	0.7	147
74	Do marine natural products interfere with prokaryotic AHL regulatory systems?. Aquatic Microbial Ecology, 1997, 13, 85-93.	0.9	147
75	Comparisons of diversity of bacterial communities associated with three sessile marine eukaryotes. Aquatic Microbial Ecology, 2007, 48, 217-229.	0.9	145
76	Microbial biofilm formation: a need to act. Journal of Internal Medicine, 2014, 276, 98-110.	2.7	144
77	Phaeobacter gallaeciensis genomes from globally opposite locations reveal high similarity of adaptation to surface life. ISME Journal, 2012, 6, 2229-2244.	4.4	143
78	Community quorum sensing signalling and quenching: microbial granular biofilm assembly. Npj Biofilms and Microbiomes, 2015, 1, 15006.	2.9	143
79	Identification of quorum-sensing regulated proteins in the opportunistic pathogenPseudomonas aeruginosaby proteomics. Environmental Microbiology, 2003, 5, 1350-1369.	1.8	142
80	Temperature induced bacterial virulence and bleaching disease in a chemically defended marine macroalga. Environmental Microbiology, 2011, 13, 529-537.	1.8	142
81	Dynamic Remodeling of Microbial Biofilms by Functionally Distinct Exopolysaccharides. MBio, 2014, 5, e01536-14.	1.8	142
82	â€˜Big things in small packages: the genetics of filamentous phage and effects on fitness of their hostâ€™. FEMS Microbiology Reviews, 2015, 39, 465-487.	3.9	140
83	The control of Staphylococcus epidermidis biofilm formation and in vivo infection rates by covalently bound furanones. Biomaterials, 2004, 25, 5023-5030.	5.7	139
84	Phylogenetic relationship and antifouling activity of bacterial epiphytes from the marine alga Ulva lactuca . Brief report. Environmental Microbiology, 2000, 2, 343-347.	1.8	137
85	Cephalosporinâ€3â€²â€diazeniumdiolates: Targeted NOâ€Donor Prodrugs for Dispersing Bacterial Biofilms. Angewandte Chemie - International Edition, 2012, 51, 9057-9060.	7.2	137
86	The production and release of an extracellular polysaccharide during starvation of a marine Pseudomonas sp. and the effect thereof on adhesion. Archives of Microbiology, 1986, 145, 220-227.	1.0	136
87	Employing a Flexible and Lowâ€Cost Polypyrrole Nanotube Membrane as an Anode to Enhance Current Generation in Microbial Fuel Cells. Small, 2015, 11, 3440-3443.	5.2	136
88	Pseudomonas aeruginosa uses type III secretion system to kill biofilm-associated amoebae. ISME Journal, 2008, 2, 843-852.	4.4	134
89	Metaproteogenomic analysis of a community of sponge symbionts. ISME Journal, 2012, 6, 1515-1525.	4.4	131
90	Grazing resistance of Pseudomonas aeruginosa biofilms depends on type of protective mechanism, developmental stage and protozoan feeding mode. Environmental Microbiology, 2005, 7, 1593-1601.	1.8	129

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91	Enhanced Shewanella biofilm promotes bioelectricity generation. Biotechnology and Bioengineering, 2015, 112, 2051-2059.	1.7	129
92	Analysis of the Pseudoalteromonas tunicata Genome Reveals Properties of a Surface-Associated Life Style in the Marine Environment. PLoS ONE, 2008, 3, e3252.	1.1	126
93	Antifouling activities expressed by marine surface associated Pseudoalteromonas species. FEMS Microbiology Ecology, 2002, 41, 47-58.	1.3	124
94	Biogeography of bacteria associated with the marine sponge Cymbastela concentrica. Environmental Microbiology, 2005, 7, 419-433.	1.8	124
95	Impact of Pseudomonas aeruginosa quorum sensing on biofilm persistence in an in vivo intraperitoneal foreign-body infection model. Microbiology (United Kingdom), 2007, 153, 2312-2320.	0.7	124
96	Biofilm Development and Cell Death in the Marine Bacterium Pseudoalteromonas tunicata. Applied and Environmental Microbiology, 2004, 70, 3232-3238.	1.4	120
97	Responses of Marine Bacteria Under Starvation Conditions at a Solid-Water Interface. Applied and Environmental Microbiology, 1983, 45, 43-47.	1.4	120
98	Hydrogen Peroxide Linked to Lysine Oxidase Activity Facilitates Biofilm Differentiation and Dispersal in Several Gram-Negative Bacteria. Journal of Bacteriology, 2008, 190, 5493-5501.	1.0	119
99	Hydrophobic and electrostatic characterization of surface structures of bacteria and its relationship to adhesion to an air-water interface. Archives of Microbiology, 1982, 131, 308-312.	1.0	116
100	Correlation between pigmentation and antifouling compounds produced by Pseudoalteromonas tunicata. Environmental Microbiology, 2002, 4, 433-442.	1.8	116
101	PseudomonasaeruginosawithLasIQuorum-Sensing Deficiency during Corneal Infection. , 2004, 45, 1897.		115
102	Inhibition of algal spore germination by the marine bacterium Pseudoalteromonas tunicata. FEMS Microbiology Ecology, 2001, 35, 67-73.	1.3	113
103	Antimicrobial activity observed among cultured marine epiphytic bacteria reflects their potential as a source of new drugs. FEMS Microbiology Ecology, 2009, 69, 113-124.	1.3	113
104	Identification of Five Structurally Unrelated Quorum-Sensing Inhibitors of Pseudomonas aeruginosa from a Natural-Derivative Database. Antimicrobial Agents and Chemotherapy, 2013, 57, 5629-5641.	1.4	113
105	Multiple opportunistic pathogens can cause a bleaching disease in the red seaweed Delisea pulchra. Environmental Microbiology, 2016, 18, 3962-3975.	1.8	113
106	Community Structure and Functional Gene Profile of Bacteria on Healthy and Diseased Thalli of the Red Seaweed Delisea pulchra. PLoS ONE, 2012, 7, e50854.	1.1	112
107	Microbial Colonization and Competition on the Marine Alga Ulva australis. Applied and Environmental Microbiology, 2006, 72, 5547-5555.	1.4	110
108	Improving charge collection in Escherichia coliâ€“carbon electrode devices with conjugated oligoelectrolytes. Physical Chemistry Chemical Physics, 2013, 15, 5867.	1.3	110

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109	The presence and role of bacterial quorum sensing in activated sludge. Microbial Biotechnology, 2012, 5, 621-633.	2.0	106
110	Evidence for Acyl Homoserine Lactone Signal Production in Bacteria Associated with Marine Sponges. Applied and Environmental Microbiology, 2004, 70, 4387-4389.	1.4	100
111	Bacterial scavenging: Utilization of fatty acids localized at a solid-liquid interface. Archives of Microbiology, 1982, 133, 257-260.	1.0	99
112	Chemical defenses of seaweeds against microbial colonization. Biodegradation, 1997, 8, 211-220.	1.5	97
113	Reinvestigation of the sulfuric acid-catalysed cyclisation of brominated 2-alkyllevulinic acids to 3-alkyl-5-methylene-2(5H)-furanones. Tetrahedron, 1997, 53, 15813-15826.	1.0	97
114	Biofilm differentiation and dispersal in mucoid Pseudomonas aeruginosa isolates from patients with cystic fibrosis. Microbiology (United Kingdom), 2007, 153, 3264-3274.	0.7	96
115	Rapid microevolution of biofilm cells in response to antibiotics. Npj Biofilms and Microbiomes, 2019, 5, 34.	2.9	96
116	Stress resistance and recovery potential of culturable and viable but nonculturable cells of Vibrio vulnificus. Microbiology (United Kingdom), 1996, 142, 845-853.	0.7	95
117	Quorum-Sensing Regulation of Adhesion in Serratia marcescens MG1 Is Surface Dependent. Journal of Bacteriology, 2007, 189, 2702-2711.	1.0	95
118	Genomes and Virulence Factors of Novel Bacterial Pathogens Causing Bleaching Disease in the Marine Red Alga Delisea pulchra. PLoS ONE, 2011, 6, e27387.	1.1	95
119	Isolation and Structure Elucidation of a Novel Yellow Pigment from the Marine Bacterium Pseudoalteromonas tunicata. Molecules, 2005, 10, 1286-1291.	1.7	95
120	Low temperature induced non-culturability and killing ofVibrio vulnificus. FEMS Microbiology Letters, 1992, 100, 205-210.	0.7	94
121	Three faces of biofilms: a microbial lifestyle, a nascent multicellular organism, and an incubator for diversity. Npj Biofilms and Microbiomes, 2021, 7, 80.	2.9	94
122	Bis-(3â€²-5â€²)-Cyclic Dimeric GMP Regulates Antimicrobial Peptide Resistance in Pseudomonas aeruginosa. Antimicrobial Agents and Chemotherapy, 2013, 57, 2066-2075.	1.4	93
123	Real-Time Quantitative PCR for Assessment of Abundance of Pseudoalteromonas Species in Marine Samples. Applied and Environmental Microbiology, 2004, 70, 2373-2382.	1.4	92
124	Characterization of biofouling in a lab-scale forward osmosis membrane bioreactor (FOMBR). Water Research, 2014, 58, 141-151.	5.3	91
125	Two Separate Regulatory Systems Participate in Control of Swarming Motility of Serratia liquefaciens MG1. Journal of Bacteriology, 1998, 180, 742-745.	1.0	91
126	Impact of oil contamination and biostimulation on the diversity of indigenous bacterial communities in soil microcosms. FEMS Microbiology Ecology, 2004, 49, 295-305.	1.3	90

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127	All together now: experimental multispecies biofilm model systems. Environmental Microbiology, 2017, 19, 42-53.	1.8	88
128	Proteomic, Microarray, and Signature-Tagged Mutagenesis Analyses of AnaerobicPseudomonas aeruginosaat pH 6.5, Likely Representing Chronic, Late-Stage Cystic Fibrosis Airway Conditions. Journal of Bacteriology, 2008, 190, 2739-2758.	1.0	86
129	SmcR-Dependent Regulation of Adaptive Phenotypes in Vibrio vulnificus. Journal of Bacteriology, 2001, 183, 758-762.	1.0	85
130	The alternative sigma factor RpoN regulates the quorum sensing generhllinPseudomonas aeruginosa. FEMS Microbiology Letters, 2003, 220, 187-195.	0.7	85
131	Chemical inhibition of epibiota by Australian seaweeds. Biofouling, 1998, 12, 227-244.	0.8	84
132	SiaA and SiaD are essential for inducing autoaggregation as a specific response to detergent stress in Pseudomonas aeruginosa. Environmental Microbiology, 2009, 11, 3073-3086.	1.8	84
133	Enhanced Benzaldehyde Tolerance in Zymomonas mobilis Biofilms and the Potential of Biofilm Applications in Fine-Chemical Production. Applied and Environmental Microbiology, 2006, 72, 1639-1644.	1.4	82
134	Bacterial quorum sensing and interference by naturally occurring biomimics. Analytical and Bioanalytical Chemistry, 2007, 387, 445-453.	1.9	82
135	Identification of the Antibacterial Compound Produced by the Marine Epiphytic Bacterium Pseudovibrio sp. D323 and Related Sponge-Associated Bacteria. Marine Drugs, 2011, 9, 1391-1402.	2.2	82
136	Exoprotease Activity of Two Marine Bacteria during Starvation. Applied and Environmental Microbiology, 1990, 56, 218-223.	1.4	82
137	Vibrio cholerae Strains Possess Multiple Strategies for Abiotic and Biotic Surface Colonization. Journal of Bacteriology, 2007, 189, 5348-5360.	1.0	81
138	Strain-specific parallel evolution drives short-term diversification during Pseudomonas aeruginosa biofilm formation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E1419-27.	3.3	81
139	Physiological and molecular adaptation to starvation and recovery from starvation by the marineVibriosp. S14. FEMS Microbiology Letters, 1990, 74, 129-140.	0.7	80
140	First case of E anophelis outbreak in an intensive-care unit. Lancet, The, 2013, 382, 855-856.	6.3	78
141	Ecological Advantages of Autolysis during the Development and Dispersal of Pseudoalteromonas tunicata Biofilms. Applied and Environmental Microbiology, 2006, 72, 5414-5420.	1.4	77
142	Hybrid Conducting Biofilm with Builtâ€in Bacteria for Highâ€Performance Microbial Fuel Cells. ChemElectroChem, 2015, 2, 654-658.	1.7	77
143	Quorum quenching bacteria can be used to inhibit the biofouling of reverse osmosis membranes. Water Research, 2017, 112, 29-37.	5.3	77
144	Interactions within the microbiome alter microbial interactions with host chemical defences and affect disease in a marine holobiont. Scientific Reports, 2019, 9, 1363.	1.6	77

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145	Carnobacterium inhibens sp. nov., isolated from the intestine of Atlantic salmon (Salmo salar). International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1891-1898.	0.8	76
146	The role of RNA stability during bacterial stress responses and starvation. Minireview. Environmental Microbiology, 2000, 2, 355-365.	1.8	76
147	Free nitrous acid (FNA) inhibition on denitrifying poly-phosphate accumulating organisms (DPAOs). Applied Microbiology and Biotechnology, 2010, 88, 359-369.	1.7	76
148	Epigallocatechin Gallate Remodels Overexpressed Functional Amyloids in Pseudomonas aeruginosa and Increases Biofilm Susceptibility to Antibiotic Treatment. Journal of Biological Chemistry, 2016, 291, 26540-26553.	1.6	75
149	Pseudomonas aeruginosa PAO1 exopolysaccharides are important for mixed species biofilm community development and stress tolerance. Frontiers in Microbiology, 2015, 6, 851.	1.5	73
150	Luminescence control in the marine bacterium Vibrio fischeri : an analysis of the dynamics of lux regulation 1 1Edited by D. E. Draper. Journal of Molecular Biology, 2000, 296, 1127-1137.	2.0	72
151	Influence of outer membrane câ€type cytochromes on particle size and activity of extracellular nanoparticles produced by Shewanella oneidensis. Biotechnology and Bioengineering, 2013, 110, 1831-1837.	1.7	72
152	C-di-GMP regulates Pseudomonas aeruginosa stress response to tellurite during both planktonic and biofilm modes of growth. Scientific Reports, 2015, 5, 10052.	1.6	72
153	Functional biogeography and host specificity of bacterial communities associated with the Marine Green Alga Ulva spp.. Molecular Ecology, 2018, 27, 1952-1965.	2.0	71
154	Functional Amyloids Keep Quorum-sensing Molecules in Check. Journal of Biological Chemistry, 2015, 290, 6457-6469.	1.6	70
155	Role of quorum sensing by Pseudomonas aeruginosa in microbial keratitis and cystic fibrosis. Microbiology (United Kingdom), 2008, 154, 2184-2194.	0.7	69
156	Glucose Starvation-Induced Dispersal of Pseudomonas aeruginosa Biofilms Is cAMP and Energy Dependent. PLoS ONE, 2012, 7, e42874.	1.1	67
157	Engineering PQS Biosynthesis Pathway for Enhancement of Bioelectricity Production in Pseudomonas aeruginosa Microbial Fuel Cells. PLoS ONE, 2013, 8, e63129.	1.1	65
158	Comparative study of different hydrophobic devices for sampling lipid surface films and adherent microorganisms. Marine Biology, 1979, 53, 21-25.	0.7	64
159	Optimal dosing regimen of nitric oxide donor compounds for the reduction ofPseudomonas aeruginosabiofilm and isolates from wastewater membranes. Biofouling, 2013, 29, 203-212.	0.8	64
160	The use of functional genomics for the identification of a gene cluster encoding for the biosynthesis of an antifungal tambjamine in the marine bacterium Pseudoalteromonas tunicata. Environmental Microbiology, 2007, 9, 814-818.	1.8	63
161	Molecular investigation of the distribution, abundance and diversity of the genus Pseudoalteromonas in marine samples. FEMS Microbiology Ecology, 2007, 61, 348-361.	1.3	63
162	Metagenomics Reveals the Influence of Land Use and Rain on the Benthic Microbial Communities in a Tropical Urban Waterway. MSystems, 2018, 3, .	1.7	63

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163	Uptake of leucine by a marine Gram-negative heterotrophic bacterium during exposure to starvation conditions. FEMS Microbiology Letters, 1987, 45, 233-241.	0.7	62
164	Changes in viability, respiratory activity and morphology of the marine Vibrio sp. strain S14 during starvation of individual nutrients and subsequent recovery. FEMS Microbiology Ecology, 1993, 12, 215-223.	1.3	62
165	Phenotypic Diversification and Adaptation of Serratia marcescens MG1 Biofilm-Derived Morphotypes. Journal of Bacteriology, 2007, 189, 119-130.	1.0	62
166	Reactive oxygen species drive evolution of pro-biofilm variants in pathogens by modulating cyclic-di-GMP levels. Open Biology, 2016, 6, 160162.	1.5	62
167	Secondary Effects of Antibiotics on Microbial Biofilms. Frontiers in Microbiology, 2020, 11, 2109.	1.5	61
168	Inhibition of Fungal Colonization by Pseudoalteromonas tunicata Provides a Competitive Advantage during Surface Colonization. Applied and Environmental Microbiology, 2006, 72, 6079-6087.	1.4	60
169	Quorum sensing-regulated chitin metabolism provides grazing resistance to Vibrio cholerae biofilms. ISME Journal, 2015, 9, 1812-1820.	4.4	59
170	A screening method for bacterial corrosion of metals. Journal of Microbiological Methods, 1988, 8, 191-198.	0.7	58
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