

Staffan Kjelleberg

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342
papers

33,090
citations

97
h-index

173
g-index

351
ext. papers

38,532
ext. citations

5.9
avg, IF

7.08
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 342 | Biofilms: an emergent form of bacterial life. <i>Nature Reviews Microbiology</i> , 2016 , 14, 563-75 | 22.2 | 2223 |
| 341 | Animals in a bacterial world, a new imperative for the life sciences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 3229-36 | 11.5 | 1488 |
| 340 | Attenuation of <i>Pseudomonas aeruginosa</i> virulence by quorum sensing inhibitors. <i>EMBO Journal</i> , 2003 , 22, 3803-15 | 13 | 1019 |
| 339 | Inhibition of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm bacteria by a halogenated furanone compound. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 87-102 | 2.9 | 785 |
| 338 | A characterization of DNA release in <i>Pseudomonas aeruginosa</i> cultures and biofilms. <i>Molecular Microbiology</i> , 2006 , 59, 1114-28 | 4.1 | 719 |
| 337 | Involvement of nitric oxide in biofilm dispersal of <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2006 , 188, 7344-53 | 3.5 | 576 |
| 336 | Should we stay or should we go: mechanisms and ecological consequences for biofilm dispersal. <i>Nature Reviews Microbiology</i> , 2011 , 10, 39-50 | 22.2 | 550 |
| 335 | Bacterial community assembly based on functional genes rather than species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 14288-93 | 11.5 | 521 |
| 334 | Evidence that halogenated furanones from <i>Delisea pulchra</i> inhibit acylated homoserine lactone (AHL)-mediated gene expression by displacing the AHL signal from its receptor protein. <i>Microbiology (United Kingdom)</i> , 1999 , 145 (Pt 2), 283-291 | 2.9 | 500 |
| 333 | The genomic basis of trophic strategy in marine bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 15527-33 | 11.5 | 472 |
| 332 | Halogenated furanones inhibit quorum sensing through accelerated LuxR turnover. <i>Microbiology (United Kingdom)</i> , 2002 , 148, 1119-1127 | 2.9 | 471 |
| 331 | Enhanced biofilm formation and increased resistance to antimicrobial agents and bacterial invasion are caused by synergistic interactions in multispecies biofilms. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 3916-23 | 4.8 | 470 |
| 330 | Cell death in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Journal of Bacteriology</i> , 2003 , 185, 4585-92 | 3.5 | 457 |
| 329 | Off the hook--how bacteria survive protozoan grazing. <i>Trends in Microbiology</i> , 2005 , 13, 302-7 | 12.4 | 431 |
| 328 | Quorum-sensing cross talk: isolation and chemical characterization of cyclic dipeptides from <i>Pseudomonas aeruginosa</i> and other gram-negative bacteria. <i>Molecular Microbiology</i> , 1999 , 33, 1254-66 | 4.1 | 421 |
| 327 | Use of 16S rRNA and rpoB genes as molecular markers for microbial ecology studies. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 278-88 | 4.8 | 401 |
| 326 | Marine <i>Pseudoalteromonas</i> species are associated with higher organisms and produce biologically active extracellular agents. <i>FEMS Microbiology Ecology</i> , 1999 , 30, 285-293 | 4.3 | 376 |

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|-----|--|------|-----|
| 325 | Nitric oxide signaling in <i>Pseudomonas aeruginosa</i> biofilms mediates phosphodiesterase activity, decreased cyclic di-GMP levels, and enhanced dispersal. <i>Journal of Bacteriology</i> , 2009 , 191, 7333-42 | 3.5 | 364 |
| 324 | rpoB-based microbial community analysis avoids limitations inherent in 16S rRNA gene intraspecies heterogeneity. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 3376-80 | 4.8 | 346 |
| 323 | The seaweed holobiont: understanding seaweed-bacteria interactions. <i>FEMS Microbiology Reviews</i> , 2013 , 37, 462-76 | 15.1 | 319 |
| 322 | Functional equivalence and evolutionary convergence in complex communities of microbial sponge symbionts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1878-87 | 11.5 | 261 |
| 321 | A novel and sensitive method for the quantification of N-3-oxoacyl homoserine lactones using gas chromatography-mass spectrometry: application to a model bacterial biofilm. <i>Environmental Microbiology</i> , 2000 , 2, 530-41 | 5.2 | 258 |
| 320 | Composition, uniqueness and variability of the epiphytic bacterial community of the green alga <i>Ulva australis</i> . <i>ISME Journal</i> , 2011 , 5, 590-600 | 11.9 | 254 |
| 319 | The transient phase between growth and nongrowth of heterotrophic bacteria, with emphasis on the marine environment. <i>Annual Review of Microbiology</i> , 1987 , 41, 25-49 | 17.5 | 253 |
| 318 | The role of quorum sensing signalling in EPS production and the assembly of a sludge community into aerobic granules. <i>ISME Journal</i> , 2014 , 8, 1186-97 | 11.9 | 245 |
| 317 | Biofilm formation and phenotypic variation enhance predation-driven persistence of <i>Vibrio cholerae</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 16819-24 | 11.5 | 240 |
| 316 | Microbial landscapes: new paths to biofilm research. <i>Nature Reviews Microbiology</i> , 2007 , 5, 76-81 | 22.2 | 239 |
| 315 | Hydrophobic Interactions: Role in Bacterial Adhesion. <i>Advances in Microbial Ecology</i> , 1986 , 353-393 | | 235 |
| 314 | Bacterial biofilms: prokaryotic adventures in multicellularity. <i>Current Opinion in Microbiology</i> , 2003 , 6, 578-85 | 7.9 | 219 |
| 313 | Marine <i>Pseudoalteromonas</i> species are associated with higher organisms and produce biologically active extracellular agents. <i>FEMS Microbiology Ecology</i> , 1999 , 30, 285-293 | 4.3 | 219 |
| 312 | Dispersed cells represent a distinct stage in the transition from bacterial biofilm to planktonic lifestyles. <i>Nature Communications</i> , 2014 , 5, 4462 | 17.4 | 217 |
| 311 | The biofilm life cycle and virulence of <i>Pseudomonas aeruginosa</i> are dependent on a filamentous prophage. <i>ISME Journal</i> , 2009 , 3, 271-82 | 11.9 | 216 |
| 310 | Biofilm formation and sloughing in <i>Serratia marcescens</i> are controlled by quorum sensing and nutrient cues. <i>Journal of Bacteriology</i> , 2005 , 187, 3477-85 | 3.5 | 210 |
| 309 | Biofilm development and enhanced stress resistance of a model, mixed-species community biofilm. <i>ISME Journal</i> , 2014 , 8, 894-907 | 11.9 | 208 |
| 308 | Competitive interactions in mixed-species biofilms containing the marine bacterium <i>Pseudoalteromonas tunicata</i> . <i>Applied and Environmental Microbiology</i> , 2005 , 71, 1729-36 | 4.8 | 208 |

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|-----|--|------|-----|
| 307 | Functional genomic signatures of sponge bacteria reveal unique and shared features of symbiosis. <i>ISME Journal</i> , 2010 , 4, 1557-67 | 11.9 | 206 |
| 306 | AHL-driven quorum-sensing circuits: their frequency and function among the Proteobacteria. <i>ISME Journal</i> , 2008 , 2, 345-9 | 11.9 | 206 |
| 305 | Bacteriophage and phenotypic variation in <i>Pseudomonas aeruginosa</i> biofilm development. <i>Journal of Bacteriology</i> , 2004 , 186, 8066-73 | 3.5 | 205 |
| 304 | How <i>Delisea pulchra</i> furanones affect quorum sensing and swarming motility in <i>Serratia liquefaciens</i> MG1. <i>Microbiology (United Kingdom)</i> , 2000 , 146 Pt 12, 3237-3244 | 2.9 | 204 |
| 303 | Is there a role for quorum sensing signals in bacterial biofilms?. <i>Current Opinion in Microbiology</i> , 2002 , 5, 254-8 | 7.9 | 202 |
| 302 | Nitric oxide-mediated dispersal in single- and multi-species biofilms of clinically and industrially relevant microorganisms. <i>Microbial Biotechnology</i> , 2009 , 2, 370-8 | 6.3 | 200 |
| 301 | Host specificity in marine sponge-associated bacteria, and potential implications for marine microbial diversity. <i>Environmental Microbiology</i> , 2004 , 6, 121-30 | 5.2 | 198 |
| 300 | Chemical mediation of bacterial surface colonisation by secondary metabolites from the red alga <i>Delisea pulchra</i> . <i>Aquatic Microbial Ecology</i> , 1998 , 15, 233-246 | 1.1 | 194 |
| 299 | Nonculturability: adaptation or debilitation?. <i>FEMS Microbiology Ecology</i> , 1998 , 25, 1-9 | 4.3 | 190 |
| 298 | Quorum sensing-controlled biofilm development in <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 2004 , 186, 692-8 | 3.5 | 188 |
| 297 | Inhibition of luminescence and virulence in the black tiger prawn (<i>Penaeus monodon</i>) pathogen <i>Vibrio harveyi</i> by intercellular signal antagonists. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 2079-84 | 4.8 | 182 |
| 296 | Impact of violacein-producing bacteria on survival and feeding of bacterivorous nanoflagellates. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 1593-9 | 4.8 | 175 |
| 295 | Starvation-induced effects on bacterial surface characteristics. <i>Applied and Environmental Microbiology</i> , 1984 , 48, 497-503 | 4.8 | 171 |
| 294 | Development of novel drugs from marine surface associated microorganisms. <i>Marine Drugs</i> , 2010 , 8, 438-59 | 6 | 165 |
| 293 | Physiological and morphological changes during short term starvation of marine bacterial isolates. <i>Archives of Microbiology</i> , 1985 , 142, 326-332 | 3 | 163 |
| 292 | Effect of interfaces on small, starved marine bacteria. <i>Applied and Environmental Microbiology</i> , 1982 , 43, 1166-72 | 4.8 | 162 |
| 291 | Inhibition of Settlement by Larvae of <i>Balanus amphitrite</i> and <i>Ciona intestinalis</i> by a Surface-Colonizing Marine Bacterium. <i>Applied and Environmental Microbiology</i> , 1992 , 58, 2111-5 | 4.8 | 160 |
| 290 | The hydrophobicity of bacteria - an important factor in their initial adhesion at the air-water interface. <i>Archives of Microbiology</i> , 1981 , 128, 267-70 | 3 | 158 |

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|-----|--|------|-----|
| 289 | Larval settlement of the common Australian sea urchin <i>Heliocidaris erythrogramma</i> in response to bacteria from the surface of coralline algae. <i>Oecologia</i> , 2006 , 149, 604-19 | 2.9 | 157 |
| 288 | Nitric oxide: a key mediator of biofilm dispersal with applications in infectious diseases. <i>Current Pharmaceutical Design</i> , 2015 , 21, 31-42 | 3.3 | 151 |
| 287 | Marine biofilm bacteria evade eukaryotic predation by targeted chemical defense. <i>PLoS ONE</i> , 2008 , 3, e2744 | 3.7 | 149 |
| 286 | Microcolonies, quorum sensing and cytotoxicity determine the survival of <i>Pseudomonas aeruginosa</i> biofilms exposed to protozoan grazing. <i>Environmental Microbiology</i> , 2004 , 6, 218-26 | 5.2 | 147 |
| 285 | Enhancing Bidirectional Electron Transfer of <i>Shewanella oneidensis</i> by a Synthetic Flavin Pathway. <i>ACS Synthetic Biology</i> , 2015 , 4, 815-23 | 5.7 | 143 |
| 284 | Colonization in the fish intestinal tract and production of inhibitory substances in intestinal mucus and faecal extracts by <i>Carnobacterium</i> sp. strain K1. <i>Journal of Fish Diseases</i> , 1997 , 20, 383-392 | 2.6 | 142 |
| 283 | Unlocking the diversity and biotechnological potential of marine surface associated microbial communities. <i>Current Opinion in Microbiology</i> , 2008 , 11, 219-25 | 7.9 | 142 |
| 282 | The LuxR receptor: the sites of interaction with quorum-sensing signals and inhibitors. <i>Microbiology (United Kingdom)</i> , 2005 , 151, 3589-3602 | 2.9 | 142 |
| 281 | Chemical cues for surface colonization. <i>Journal of Chemical Ecology</i> , 2002 , 28, 1935-51 | 2.7 | 139 |
| 280 | Initial phases of starvation and activity of bacteria at surfaces. <i>Applied and Environmental Microbiology</i> , 1983 , 46, 978-84 | 4.8 | 139 |
| 279 | Extracellular polymeric substances of biofilms: Suffering from an identity crisis. <i>Water Research</i> , 2019 , 151, 1-7 | 12.5 | 138 |
| 278 | <i>Pseudomonas aeruginosa</i> PAO1 preferentially grows as aggregates in liquid batch cultures and disperses upon starvation. <i>PLoS ONE</i> , 2009 , 4, e5513 | 3.7 | 135 |
| 277 | Implications of rRNA operon copy number and ribosome content in the marine oligotrophic ultramicrobacterium <i>Sphingomonas</i> sp. strain RB2256. <i>Applied and Environmental Microbiology</i> , 1998 , 64, 4433-8 | 4.8 | 133 |
| 276 | Halogenated furanones from the red alga, <i>Delisea pulchra</i> , inhibit carbapenem antibiotic synthesis and exoenzyme virulence factor production in the phytopathogen <i>Erwinia carotovora</i> . <i>FEMS Microbiology Letters</i> , 2001 , 205, 131-8 | 2.9 | 132 |
| 275 | The control of <i>Staphylococcus epidermidis</i> biofilm formation and in vivo infection rates by covalently bound furanones. <i>Biomaterials</i> , 2004 , 25, 5023-30 | 15.6 | 131 |
| 274 | How do non-differentiating bacteria adapt to starvation?. <i>Antonie Van Leeuwenhoek</i> , 1993 , 63, 333-41 | 2.1 | 131 |
| 273 | Identification of quorum-sensing regulated proteins in the opportunistic pathogen <i>Pseudomonas aeruginosa</i> by proteomics. <i>Environmental Microbiology</i> , 2003 , 5, 1350-69 | 5.2 | 120 |
| 272 | Climate change and disease: bleaching of a chemically defended seaweed. <i>Global Change Biology</i> , 2011 , 17, 2958-2970 | 11.4 | 118 |

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| 271 | Variability and abundance of the epiphytic bacterial community associated with a green marine Ulvacean alga. <i>ISME Journal</i> , 2010 , 4, 301-11 | 11.9 | 117 |
| 270 | Low densities of epiphytic bacteria from the marine alga <i>Ulva australis</i> inhibit settlement of fouling organisms. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 7844-52 | 4.8 | 117 |
| 269 | The production and release of an extracellular polysaccharide during starvation of a marine <i>Pseudomonas</i> sp. and the effect thereof on adhesion. <i>Archives of Microbiology</i> , 1986 , 145, 220-7 | 3 | 117 |
| 268 | Cephalosporin-3Rdiazoniumdiolates: targeted NO-donor prodrugs for dispersing bacterial biofilms. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9057-60 | 16.4 | 116 |
| 267 | Employing a Flexible and Low-Cost Polypyrrole Nanotube Membrane as an Anode to Enhance Current Generation in Microbial Fuel Cells. <i>Small</i> , 2015 , 11, 3440-3 | 11 | 113 |
| 266 | Comparisons of diversity of bacterial communities associated with three sessile marine eukaryotes. <i>Aquatic Microbial Ecology</i> , 2007 , 48, 217-229 | 1.1 | 113 |
| 265 | Do marine natural products interfere with prokaryotic AHL regulatory systems?. <i>Aquatic Microbial Ecology</i> , 1997 , 13, 85-93 | 1.1 | 111 |
| 264 | <i>Phaeobacter gallaeciensis</i> genomes from globally opposite locations reveal high similarity of adaptation to surface life. <i>ISME Journal</i> , 2012 , 6, 2229-44 | 11.9 | 110 |
| 263 | Biofilm development and cell death in the marine bacterium <i>Pseudoalteromonas tunicata</i> . <i>Applied and Environmental Microbiology</i> , 2004 , 70, 3232-8 | 4.8 | 110 |
| 262 | Phylogenetic relationship and antifouling activity of bacterial epiphytes from the marine alga <i>Ulva lactuca</i> . <i>Environmental Microbiology</i> , 2000 , 2, 343-7 | 5.2 | 109 |
| 261 | Low-Dose Nitric Oxide as Targeted Anti-biofilm Adjunctive Therapy to Treat Chronic <i>Pseudomonas aeruginosa</i> Infection in Cystic Fibrosis. <i>Molecular Therapy</i> , 2017 , 25, 2104-2116 | 11.7 | 106 |
| 260 | Dynamic remodeling of microbial biofilms by functionally distinct exopolysaccharides. <i>MBio</i> , 2014 , 5, e01536-14 | 7.8 | 106 |
| 259 | Biogeography of bacteria associated with the marine sponge <i>Cymbastela concentrica</i> . <i>Environmental Microbiology</i> , 2005 , 7, 419-33 | 5.2 | 106 |
| 258 | Community quorum sensing signalling and quenching: microbial granular biofilm assembly. <i>Npj Biofilms and Microbiomes</i> , 2015 , 1, 15006 | 8.2 | 105 |
| 257 | Microbial biofilm formation: a need to act. <i>Journal of Internal Medicine</i> , 2014 , 276, 98-110 | 10.8 | 105 |
| 256 | Hydrogen peroxide linked to lysine oxidase activity facilitates biofilm differentiation and dispersal in several gram-negative bacteria. <i>Journal of Bacteriology</i> , 2008 , 190, 5493-501 | 3.5 | 105 |
| 255 | Impact of <i>Pseudomonas aeruginosa</i> quorum sensing on biofilm persistence in an in vivo intraperitoneal foreign-body infection model. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 2312-2320 | 2.9 | 104 |
| 254 | Grazing resistance of <i>Pseudomonas aeruginosa</i> biofilms depends on type of protective mechanism, developmental stage and protozoan feeding mode. <i>Environmental Microbiology</i> , 2005 , 7, 1593-601 | 5.2 | 104 |

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| 253 | Hydrophobic and electrostatic characterization of surface structures of bacteria and its relationship to adhesion to an air-water interface. <i>Archives of Microbiology</i> , 1982 , 131, 308-312 | 3 | 103 |
| 252 | Correlation between pigmentation and antifouling compounds produced by <i>Pseudoalteromonas tunicata</i> . <i>Environmental Microbiology</i> , 2002 , 4, 433-42 | 5.2 | 102 |
| 251 | Temperature induced bacterial virulence and bleaching disease in a chemically defended marine macroalga. <i>Environmental Microbiology</i> , 2011 , 13, 529-37 | 5.2 | 101 |
| 250 | <i>Pseudomonas aeruginosa</i> uses type III secretion system to kill biofilm-associated amoebae. <i>ISME Journal</i> , 2008 , 2, 843-52 | 11.9 | 101 |
| 249 | Metaproteogenomic analysis of a community of sponge symbionts. <i>ISME Journal</i> , 2012 , 6, 1515-25 | 11.9 | 99 |
| 248 | Inhibition of algal spore germination by the marine bacterium <i>Pseudoalteromonas tunicata</i> . <i>FEMS Microbiology Ecology</i> , 2001 , 35, 67-73 | 4.3 | 98 |
| 247 | Analysis of the <i>Pseudoalteromonas tunicata</i> genome reveals properties of a surface-associated life style in the marine environment. <i>PLoS ONE</i> , 2008 , 3, e3252 | 3.7 | 98 |
| 246 | Responses of marine bacteria under starvation conditions at a solid-water interface. <i>Applied and Environmental Microbiology</i> , 1983 , 45, 43-7 | 4.8 | 97 |
| 245 | Enhanced <i>Shewanella</i> biofilm promotes bioelectricity generation. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 2051-9 | 4.9 | 95 |
| 244 | Improving charge collection in <i>Escherichia coli</i> -carbon electrode devices with conjugated oligoelectrolytes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5867-72 | 3.6 | 92 |
| 243 | The presence and role of bacterial quorum sensing in activated sludge. <i>Microbial Biotechnology</i> , 2012 , 5, 621-33 | 6.3 | 92 |
| 242 | <i>Pseudomonas aeruginosa</i> with <i>lasI</i> quorum-sensing deficiency during corneal infection. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 1897-903 | | 91 |
| 241 | Bacterial scavenging: Utilization of fatty acids localized at a solid-liquid interface. <i>Archives of Microbiology</i> , 1982 , 133, 257-260 | 3 | 91 |
| 240 | Sex, Scavengers, and Chaperones: Transcriptome Secrets of Divergent <i>Symbiodinium</i> Thermal Tolerances. <i>Molecular Biology and Evolution</i> , 2016 , 33, 2201-15 | 8.3 | 88 |
| 239 | Microbial colonization and competition on the marine alga <i>Ulva australis</i> . <i>Applied and Environmental Microbiology</i> , 2006 , 72, 5547-55 | 4.8 | 88 |
| 238 | Antimicrobial activity observed among cultured marine epiphytic bacteria reflects their potential as a source of new drugs. <i>FEMS Microbiology Ecology</i> , 2009 , 69, 113-24 | 4.3 | 87 |
| 237 | Biofilm differentiation and dispersal in mucoid <i>Pseudomonas aeruginosa</i> isolates from patients with cystic fibrosis. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 3264-3274 | 2.9 | 85 |
| 236 | Antifouling activities expressed by marine surface associated <i>Pseudoalteromonas</i> species. <i>FEMS Microbiology Ecology</i> , 2002 , 41, 47-58 | 4.3 | 85 |

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|-----|---|------|----|
| 235 | Reinvestigation of the sulfuric acid-catalysed cyclisation of brominated 2-alkyllevulinic acids to 3-alkyl-5-methylene-2(5H)-furanones. <i>Tetrahedron</i> , 1997 , 53, 15813-15826 | 2.4 | 84 |
| 234 | Evidence for acyl homoserine lactone signal production in bacteria associated with marine sponges. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 4387-9 | 4.8 | 84 |
| 233 | Quorum-sensing regulation of adhesion in <i>Serratia marcescens</i> MG1 is surface dependent. <i>Journal of Bacteriology</i> , 2007 , 189, 2702-11 | 3.5 | 83 |
| 232 | Characterization of biofouling in a lab-scale forward osmosis membrane bioreactor (FOMBR). <i>Water Research</i> , 2014 , 58, 141-51 | 12.5 | 82 |
| 231 | Isolation and structure elucidation of a novel yellow pigment from the marine bacterium <i>Pseudoalteromonas tunicata</i> . <i>Molecules</i> , 2005 , 10, 1286-91 | 4.8 | 81 |
| 230 | Proteomic, microarray, and signature-tagged mutagenesis analyses of anaerobic <i>Pseudomonas aeruginosa</i> at pH 6.5, likely representing chronic, late-stage cystic fibrosis airway conditions. <i>Journal of Bacteriology</i> , 2008 , 190, 2739-58 | 3.5 | 79 |
| 229 | Real-time quantitative PCR for assessment of abundance of <i>Pseudoalteromonas</i> species in marine samples. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 2373-82 | 4.8 | 79 |
| 228 | Stress resistance and recovery potential of culturable and viable but nonculturable cells of <i>Vibrio vulnificus</i> . <i>Microbiology (United Kingdom)</i> , 1996 , 142 (Pt 4), 845-853 | 2.9 | 79 |
| 227 | Identification of five structurally unrelated quorum-sensing inhibitors of <i>Pseudomonas aeruginosa</i> from a natural-derivative database. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 5629-41 | 5.9 | 78 |
| 226 | Bacterial quorum sensing and interference by naturally occurring biomimics. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 445-53 | 4.4 | 77 |
| 225 | Enhanced benzaldehyde tolerance in <i>Zymomonas mobilis</i> biofilms and the potential of biofilm applications in fine-chemical production. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 1639-44 | 4.8 | 77 |
| 224 | Two separate regulatory systems participate in control of swarming motility of <i>Serratia liquefaciens</i> MG1. <i>Journal of Bacteriology</i> , 1998 , 180, 742-5 | 3.5 | 77 |
| 223 | Big things in small packages: the genetics of filamentous phage and effects on fitness of their host. <i>FEMS Microbiology Reviews</i> , 2015 , 39, 465-87 | 15.1 | 76 |
| 222 | Chemical defenses of seaweeds against microbial colonization. <i>Biodegradation</i> , 1997 , 8, 211-220 | 4.1 | 76 |
| 221 | Genomes and virulence factors of novel bacterial pathogens causing bleaching disease in the marine red alga <i>Delisea pulchra</i> . <i>PLoS ONE</i> , 2011 , 6, e27387 | 3.7 | 75 |
| 220 | SmcR-dependent regulation of adaptive phenotypes in <i>Vibrio vulnificus</i> . <i>Journal of Bacteriology</i> , 2001 , 183, 758-62 | 3.5 | 75 |
| 219 | Chemical inhibition of epibiota by Australian seaweeds. <i>Biofouling</i> , 1998 , 12, 227-244 | 3.3 | 75 |
| 218 | Impact of oil contamination and biostimulation on the diversity of indigenous bacterial communities in soil microcosms. <i>FEMS Microbiology Ecology</i> , 2004 , 49, 295-305 | 4.3 | 74 |

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|-----|---|------|----|
| 217 | Bis-(3R5R)-cyclic dimeric GMP regulates antimicrobial peptide resistance in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 2066-75 | 5.9 | 73 |
| 216 | The role of RNA stability during bacterial stress responses and starvation. <i>Environmental Microbiology</i> , 2000 , 2, 355-65 | 5.2 | 72 |
| 215 | Low temperature induced non-culturability and killing of <i>Vibrio vulnificus</i> . <i>FEMS Microbiology Letters</i> , 1992 , 100, 205-10 | 2.9 | 71 |
| 214 | SiaA and SiaD are essential for inducing autoaggregation as a specific response to detergent stress in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2009 , 11, 3073-86 | 5.2 | 70 |
| 213 | Ecological advantages of autolysis during the development and dispersal of <i>Pseudoalteromonas tunicata</i> biofilms. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 5414-20 | 4.8 | 69 |
| 212 | The alternative sigma factor RpoN regulates the quorum sensing gene <i>rhII</i> in <i>Pseudomonas aeruginosa</i> . <i>FEMS Microbiology Letters</i> , 2003 , 220, 187-95 | 2.9 | 69 |
| 211 | Physiological and molecular adaptation to starvation and recovery from starvation by the marine Vibriosp. S14. <i>FEMS Microbiology Letters</i> , 1990 , 74, 129-140 | 2.9 | 68 |
| 210 | <i>Vibrio cholerae</i> strains possess multiple strategies for abiotic and biotic surface colonization. <i>Journal of Bacteriology</i> , 2007 , 189, 5348-60 | 3.5 | 67 |
| 209 | Hybrid Conducting Biofilm with Built-in Bacteria for High-Performance Microbial Fuel Cells. <i>ChemElectroChem</i> , 2015 , 2, 654-658 | 4.3 | 64 |
| 208 | First case of <i>E. anophelis</i> outbreak in an intensive-care unit. <i>Lancet, The</i> , 2013 , 382, 855-6 | 4.0 | 63 |
| 207 | Identification of the antibacterial compound produced by the marine epiphytic bacterium <i>Pseudovibrio</i> sp. D323 and related sponge-associated bacteria. <i>Marine Drugs</i> , 2011 , 9, 1391-402 | 6 | 62 |
| 206 | Role of quorum sensing by <i>Pseudomonas aeruginosa</i> in microbial keratitis and cystic fibrosis. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 2184-2194 | 2.9 | 62 |
| 205 | Strain-specific parallel evolution drives short-term diversification during <i>Pseudomonas aeruginosa</i> biofilm formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E1419-27 | 11.5 | 61 |
| 204 | Influence of outer membrane c-type cytochromes on particle size and activity of extracellular nanoparticles produced by <i>Shewanella oneidensis</i> . <i>Biotechnology and Bioengineering</i> , 2013 , 110, 1831-7 | 4.9 | 61 |
| 203 | Free nitrous acid (FNA) inhibition on denitrifying poly-phosphate accumulating organisms (DPAOs). <i>Applied Microbiology and Biotechnology</i> , 2010 , 88, 359-69 | 5.7 | 61 |
| 202 | Luminescence control in the marine bacterium <i>Vibrio fischeri</i> : An analysis of the dynamics of lux regulation. <i>Journal of Molecular Biology</i> , 2000 , 296, 1127-37 | 6.5 | 61 |
| 201 | Community structure and functional gene profile of bacteria on healthy and diseased thalli of the red seaweed <i>Delisea pulchra</i> . <i>PLoS ONE</i> , 2012 , 7, e50854 | 3.7 | 59 |
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