List of Publications by Year in descending order

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| | | 16451 | 22166 |
|----------|----------------|--------------|----------------|
| 200 | 14,742 | 64 | 113 |
| papers | citations | h-index | g-index |
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| 238 | 238 | 238 | 14056 |
| all docs | docs citations | times ranked | citing authors |
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5

| # | Article | IF | CITATIONS |
|----|---|--------------|---------------|
| 1 | Early flower development in Arabidopsis Plant Cell, 1990, 2, 755-767. | 6.6 | 1,979 |
| 2 | Proposed minimal standards for describing new taxa of the family Flavobacteriaceae and emended description of the family. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1049-1070. | 1.7 | 654 |
| 3 | Distinct Mechanisms Promote Polarity Establishment in Carpels of Arabidopsis. Cell, 1999, 99, 199-209. | 28.9 | 359 |
| 4 | Bioactive Compound Synthetic Capacity and Ecological Significance of Marine Bacterial Genus Pseudoalteromonas. Marine Drugs, 2007, 5, 220-241. | 4.6 | 316 |
| 5 | Biodiversity, Community Structural Shifts, and Biogeography of Prokaryotes within Antarctic Continental Shelf Sediment. Applied and Environmental Microbiology, 2003, 69, 2463-2483. | 3.1 | 308 |
| 6 | Bacterial Exopolysaccharides from Extreme Marine Environments with Special Consideration of the Southern Ocean, Sea Ice, and Deep-Sea Hydrothermal Vents: A Review. Marine Biotechnology, 2005, 7, 253-271. | 2.4 | 291 |
| 7 | Auxin-Dependent Patterning and Gamete Specification in the <i>Arabidopsis</i> Female Gametophyte. Science, 2009, 324, 1684-1689. | 12.6 | 252 |
| 8 | Algoriphagus ratkowskyi gen. nov., sp. nov., Brumimicrobium glaciale gen. nov., sp. nov., Cryomorpha ignava gen. nov., sp. nov. and Crocinitomix catalasitica gen. nov., sp. nov., novel flavobacteria isolated from various polar habitats. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1343-1355. | 1.7 | 229 |
| 9 | The Genus Flavobacterium. , 2006, , 481-531. | | 228 |
| | Algicidal Effects of a Novel Marine <i>Pseudoalteromonas</i> Isolate (Class <i>Proteobacteria</i> ,) Tj ETQqO | 0 0 rgBT /Ov | verlock 10 Tf |
| 10 | <i>Gymnodinium</i> , and <i>Heterosigma</i> . Applied and Environmental Microbiology, 1998, 64, 2806-2813. | 3.1 | 225 |
| 11 | A molecular phylogenetic survey of sea-ice microbial communities (SIMCO). FEMS Microbiology Ecology, 2001, 35, 267-275. | 2.7 | 200 |
| 12 | Psychroflexus torquis gen. nov., sp. nov. a psychrophilic species from Antarctic sea ice, and reclassification of Flavobacterium gondwanense (Dobson et al. 1993) as Psychroflexus gondwanense gen. nov., comb. nov Microbiology (United Kingdom), 1998, 144, 1601-1609. | 1.8 | 199 |
| 13 | Effects of biochar and compost amendments on soil physico-chemical properties and the total community within a temperate agricultural soil. Applied Soil Ecology, 2016, 98, 243-253. | 4.3 | 199 |
| 14 | Production of exopolysaccharides by Antarctic marine bacterial isolates. Journal of Applied Microbiology, 2004, 96, 1057-1066. | 3.1 | 198 |
| 15 | Novel members of the family Flavobacteriaceae from Antarctic maritime habitats including Subsaximicrobium wynnwilliamsii gen. nov., sp. nov., Subsaximicrobium saxinquilinus sp. nov., Subsaxibacter broadyi gen. nov., sp. nov., Lacinutrix copepodicola gen. nov., sp. nov., and novel species of the genera Bizionia, Gelidibacter and Gillisia. International Journal of Systematic and Evolutionary | 1.7 | 191 |
| 16 | Microbiology, 2005, 55, 1471-1486. Characterization of Ferroplasma Isolates and Ferroplasma acidarmanus sp. nov., Extreme Acidophiles from Acid Mine Drainage and Industrial Bioleaching Environments. Applied and Environmental Microbiology, 2004, 70, 2079-2088. | 3.1 | 186 |
| 17 | Information systems in food safety management. International Journal of Food Microbiology, 2006, 112, 181-194. | 4.7 | 175 |
| 18 | Ecological and biogeographic relationships of class Flavobacteria in the Southern Ocean. FEMS Microbiology Ecology, 2005, 51, 265-277. | 2.7 | 173 |

| # | Article | IF | CITATIONS |
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| 19 | Methylosphaera hansonii gen. nov., sp. nov., a psychrophilic, group I methanotroph from Antarctic marine-salinity, meromictic lakes. Microbiology (United Kingdom), 1997, 143, 1451-1459. | 1.8 | 170 |
| 20 | Chemical Characterization of Exopolysaccharides from Antarctic Marine Bacteria. Microbial Ecology, 2005, 49, 578-589. | 2.8 | 164 |
| 21 | Diversity and community structure within anoxic sediment from marine salinity meromictic lakes and a coastal meromictic marine basin, Vestfold Hills, Eastern Antarctica. Environmental Microbiology, 2000, 2, 227-237. | 3.8 | 163 |
| 22 | Phospholipid fatty acid and lipopolysaccharide fatty acid signature lipids in methane-utilizing bacteria. FEMS Microbiology Letters, 1991, 85, 15-22. | 1.8 | 157 |
| 23 | Evaluating contribution of ionic, osmotic and oxidative stress components towards salinity tolerance in barley. BMC Plant Biology, 2014, 14, 113. | 3.6 | 152 |
| 24 | 4 Molecular Genetics of Gynoecium Development in Arabidopsis. Current Topics in Developmental Biology, 1999, 45, 155-205. | 2.2 | 150 |
| 25 | Soluble Methane Monooxygenase Production and Trichloroethylene Degradation by a Type I Methanotroph, <i>Methylomonas methanica</i> 68-1. Applied and Environmental Microbiology, 1993, 59, 960-967. | 3.1 | 150 |
| 26 | Algicidal bacteria associated with blooms of a toxic dinoflagellate in a temperate Australian estuary. Marine Ecology - Progress Series, 2002, 244, 1-15. | 1.9 | 146 |
| 27 | Variability in biofilm production by Listeria monocytogenes correlated to strain origin and growth conditions. International Journal of Food Microbiology, 2011, 150, 14-24. | 4.7 | 143 |
| 28 | Colwellia demingiae sp. nov., Colwellia hornerae sp. nov., Colwellia rossensis sp. nov. and Colwellia psychrotropica sp. nov.: psychrophilic Antarctic species with the ability to synthesize docosahexaenoic acid (22:Â63). International Journal of Systematic Bacteriology, 1998, 48, 1171-1180. | 2.8 | 142 |
| 29 | The Phylogenetic Position of the Family Methylococcaceae. International Journal of Systematic Bacteriology, 1995, 45, 182-185. | 2.8 | 140 |
| 30 | Arcobacter halophilus sp. nov., the first obligate halophile in the genus Arcobacter. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1271-1277. | 1.7 | 139 |
| 31 | Pyrosequencing-based characterization of gastrointestinal bacteria of Atlantic salmon (<i>Salmo) Tj ETQq1 1 0.7</i> | '84314 rgl 3.1 | 3T /Overloc <mark>k</mark> 131 |
| 32 | Evolutionary conservation of angiosperm flower development at the molecular and genetic levels. Journal of Biosciences, 1997, 22, 515-527. | 1.1 | 128 |
| 33 | Desulfosporosinus meridiei sp. nov., a spore-forming sulfate-reducing bacterium isolated from gasolene-contaminated groundwater International Journal of Systematic and Evolutionary Microbiology, 2001, 51, 133-140. | 1.7 | 126 |
| 34 | Molecular evidence for bicontinental hybridogenous genomic constitution in <i>Lepidium</i> sensu stricto (Brassicaceae) species from Australia and New Zealand. American Journal of Botany, 2004, 91, 254-261. | 1.7 | 122 |
| 35 | Developments with Antarctic microorganisms: culture collections, bioactivity screening, taxonomy, PUFA production and cold-adapted enzymes. Current Opinion in Biotechnology, 1999, 10, 240-246. | 6.6 | 121 |
| 36 | The microbial composition of three limnologically disparate hypersaline Antarctic lakes. FEMS Microbiology Letters, 2000, 183, 81-88. | 1.8 | 121 |

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| 37 | Prokaryotic Metabolic Activity and Community Structure in Antarctic Continental Shelf Sediments. Applied and Environmental Microbiology, 2003, 69, 2448-2462. | 3.1 | 117 |
| 38 | Methanobrevibacter millerae sp. nov. and Methanobrevibacter olleyae sp. nov., methanogens from the ovine and bovine rumen that can utilize formate for growth. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 450-456. | 1.7 | 117 |
| 39 | Using Real-Time PCR to Assess Changes in the Hydrocarbon-Degrading Microbial Community in Antarctic Soil During Bioremediation. Microbial Ecology, 2006, 52, 523-532. | 2.8 | 115 |
| 40 | lon transport and osmotic adjustment in <i>Escherichia coli</i> in response to ionic and nonâ€ionic osmotica. Environmental Microbiology, 2009, 11, 137-148. | 3.8 | 113 |
| 41 | Atlantic Salmon (Salmo salar L.) Gastrointestinal Microbial Community Dynamics in Relation to Digesta Properties and Diet. Microbial Ecology, 2016, 71, 589-603. | 2.8 | 113 |
| 42 | Bacterial diversity in organically-enriched fish farm sediments. FEMS Microbiology Ecology, 2006, 55, 48-56. | 2.7 | 110 |
| 43 | Microbial community variation in pristine and polluted nearshore Antarctic sediments. FEMS Microbiology Ecology, 2003, 45, 135-145. | 2.7 | 108 |
| 44 | Marinobacter algicola sp. nov., isolated from laboratory cultures of paralytic shellfish toxin-producing dinoflagellates. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 523-527. | 1.7 | 108 |
| 45 | Psychrobacter glacincola sp. nov., a Halotolerant, Psychrophilic Bacterium Isolated from Antarctic Sea Ice. Systematic and Applied Microbiology, 1997, 20, 209-215. | 2.8 | 106 |
| 46 | The effect of diet and environmental temperature on the faecal microbiota of farmed Tasmanian Atlantic Salmon (<i>Salmo salar</i> L.). Aquaculture Research, 2016, 47, 660-672. | 1.8 | 105 |
| 47 | Effects of Incubation Temperature on Growth and Production of Exopolysaccharides by an Antarctic Sea Ice Bacterium Grown in Batch Culture. Applied and Environmental Microbiology, 2005, 71, 3519-3523. | 3.1 | 103 |
| 48 | Sublithic bacteria associated with Antarctic quartz stones. Antarctic Science, 2000, 12, 177-184. | 0.9 | 98 |
| 49 | The future of predictive microbiology: Strategic research, innovative applications and great expectations. International Journal of Food Microbiology, 2008, 128, 2-9. | 4.7 | 97 |
| 50 | Molecular analysis of the bacterial communities in the live Pacific oyster (Crassostrea gigas) and the influence of postharvest temperature on its structure. Journal of Applied Microbiology, 2012, 112, 1134-1143. | 3.1 | 94 |
| 51 | Sterols in a psychrophilic methanotroph, Methylosphaera hansonii. FEMS Microbiology Letters, 2000, 186, 193-195. | 1.8 | 88 |
| 52 | Differential gene expression of Listeria monocytogenes during high hydrostatic pressure processing. Microbiology (United Kingdom), 2008, 154, 462-475. | 1.8 | 87 |
| 53 | Extensive Gene Acquisition in the Extremely Psychrophilic Bacterial Species Psychroflexus torquis and the Link to Sea-Ice Ecosystem Specialism. Genome Biology and Evolution, 2014, 6, 133-148. | 2.5 | 87 |
| 54 | Colonization and community dynamics of class Flavobacteria on diatom detritus in experimental mesocosms based on Southern Ocean seawater⋆. FEMS Microbiology Ecology, 2005, 53, 379-391. | 2.7 | 85 |

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| 55 | Novel Biocontrol Methods for Listeria monocytogenes Biofilms in Food Production Facilities. Frontiers in Microbiology, 2018, 9, 605. | 3.5 | 85 |
| 56 | Sphingomonas alaskensis Strain AFO1, an Abundant Oligotrophic Ultramicrobacterium from the North Pacific. Applied and Environmental Microbiology, 2001, 67, 4945-4954. | 3.1 | 82 |
| 57 | Aequorivita gen. nov., a member of the family Flavobacteriaceae isolated from terrestrial and marine Antarctic habitats International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1533-1541. | 1.7 | 82 |
| 58 | Integrated Transcriptomic and Proteomic Analysis of the Physiological Response of Escherichia coli O157:H7 Sakai to Steady-state Conditions of Cold and Water Activity Stress. Molecular and Cellular Proteomics, 2012, 11, M111.009019. | 3.8 | 81 |
| 59 | Bacterial community shifts in organically perturbed sediments. Environmental Microbiology, 2007, 9, 46-60. | 3.8 | 77 |
| 60 | Characterisation of the Transcriptomes of Genetically Diverse Listeria monocytogenes Exposed to Hyperosmotic and Low Temperature Conditions Reveal Global Stress-Adaptation Mechanisms. PLoS ONE, 2013, 8, e73603. | 2.5 | 75 |
| 61 | Halococcus hamelinensis sp. nov., a novel halophilic archaeon isolated from stromatolites in Shark Bay, Australia. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1323-1329. | 1.7 | 73 |
| 62 | Aequorivita gen. nov., a member of the family Flavobacteriaceae isolated from terrestrial and marine Antarctic habitats. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 1533-1541. | 1.7 | 71 |
| 63 | Microbial Ecology of Atlantic Salmon (Salmo salar) Hatcheries: Impacts of the Built Environment on Fish Mucosal Microbiota. Applied and Environmental Microbiology, 2020, 86, . | 3.1 | 71 |
| 64 | Assessment of bacterial community composition, methanotrophic and nitrogen-cycling bacteria in three soils with different biochar application rates. Journal of Soils and Sediments, 2018, 18, 148-158. | 3.0 | 70 |
| 65 | Psychroflexus tropicus sp. nov., an obligately halophilic Cytophaga–Flavobacterium–Bacteroides group bacterium from an Hawaiian hypersaline lake. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 935-940. | 1.7 | 69 |
| 66 | Olleya marilimosa gen. nov., sp. nov., an exopolysaccharide-producing marine bacterium from the family Flavobacteriaceae, isolated from the Southern Ocean. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1557-1561. | 1.7 | 66 |
| 67 | Salmonid gill bacteria and their relationship to amoebic gill disease. Journal of Fish Diseases, 2004, 27, 483-492. | 1.9 | 61 |
| 68 | The effect of biochar loading rates on soil fertility, soil biomass, potential nitrification, and soil community metabolic profiles in three different soils. Journal of Soils and Sediments, 2016, 16, 2211-2222. | 3.0 | 60 |
| 69 | Shewanella olleyana sp. nov., a marine species isolated from a temperate estuary which produces high levels of polyunsaturated fatty acids. International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 2101-2106. | 1.7 | 59 |
| 70 | Leeuwenhoekiella blandensis sp. nov., a genome-sequenced marine member of the family Flavobacteriaceae. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1489-1493. | 1.7 | 57 |
| 71 | Evolutionary Changes in Floral Structure withinLepidiumL. (Brassicaceae). International Journal of Plant Sciences, 1999, 160, 917-929. | 1.3 | 56 |
| 72 | The Marine Clade of the Family Flavobacteriaceae: The Genera Aequorivita, Arenibacter, Cellulophaga, Croceibacter, Formosa, Gelidibacter, Gillisia, Maribacter, Mesonia, Muricauda, Polaribacter, Psychroflexus, Psychroserpens, Robiginitalea, Salegentibacter, Tenacibaculum, Ulvibacter, Vitellibacter and Zobellia., 2006, , 677-694. | | 56 |

| # | Article | IF | CITATIONS |
|----|---|-------------|-------------------------|
| 73 | Shewanella olleyana sp. nov., a marine species isolated from a temperate estuary which produces high levels of polyunsaturated fatty acids International Journal of Systematic and Evolutionary Microbiology, 2002, 52, 2101-2106. | 1.7 | 55 |
| 74 | Shewanella pacifica sp. nov., a polyunsaturated fatty acid-producing bacterium isolated from sea water. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1083-1087. | 1.7 | 54 |
| 75 | Isolation and characterization of two novel ethanol-tolerant facultative-anaerobic thermophilic bacteria strains from waste compost. Extremophiles, 2006, 10, 363-372. | 2.3 | 54 |
| 76 | The Biokinetic Spectrum for Temperature. PLoS ONE, 2016, 11, e0153343. | 2.5 | 52 |
| 77 | Loktanella agnita sp. nov. and Loktanella rosea sp. nov., from the north-west Pacific Ocean. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 2203-2207. | 1.7 | 51 |
| 78 | Light-stimulated growth of proteorhodopsin-bearing sea-ice psychrophile <i>Psychroflexus torquis</i> is salinity dependent. ISME Journal, 2013, 7, 2206-2213. | 9.8 | 51 |
| 79 | Erythrobacter vulgaris sp. nov., a novel organism isolated from the marine invertebrates. Systematic and Applied Microbiology, 2005, 28, 123-130. | 2.8 | 49 |
| 80 | Investigation of the <i>Listeria monocytogenes</i> Scott A Acid Tolerance Response and Associated Physiological and Phenotypic Features via Whole Proteome Analysis. Journal of Proteome Research, 2012, 11, 2409-2426. | 3.7 | 48 |
| 81 | Alteromonadales ord. nov , 2005, , 443-491. | | 46 |
| 82 | Culturable microbiota of ranched southern bluefin tuna (<i>Thunnus maccoyii </i> Castelnau). Journal of Applied Microbiology, 2013, 115, 923-932. | 3.1 | 46 |
| 83 | Global Genome Response of Escherichia coli O157â^¶H7 Sakai during Dynamic Changes in Growth Kinetics Induced by an Abrupt Downshift in Water Activity. PLoS ONE, 2014, 9, e90422. | 2.5 | 46 |
| 84 | Alteromonas addita sp. nov International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1065-1068. | 1.7 | 46 |
| 85 | The importance of soil characteristics to the structure of alkane-degrading bacterial communities on sub-Antarctic Macquarie Island. Soil Biology and Biochemistry, 2010, 42, 2012-2021. | 8.8 | 45 |
| 86 | Predictive Models for the Effect of Storage Temperature on Vibrio parahaemolyticus Viability and Counts of Total Viable Bacteria in Pacific Oysters (Crassostrea gigas). Applied and Environmental Microbiology, 2011, 77, 8687-8695. | 3.1 | 45 |
| 87 | Salinity and fish age affect the gut microbiota of farmed Chinook salmon (Oncorhynchus) Tj ETQq1 1 0.784314 | 1 rgBT_/Ove | erlo <u>ç</u> k 10 Tf 5 |
| 88 | Human Infection with <i>Halomonas venusta</i> following Fish Bite. Journal of Clinical Microbiology, 2000, 38, 3123-3124. | 3.9 | 44 |
| 89 | A comparison of the short term effects of diesel fuel and lubricant oils on Antarctic benthic microbial communities. Journal of Experimental Marine Biology and Ecology, 2005, 322, 53-65. | 1.5 | 42 |
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ARTICLE IF CITATIONS Transcriptomic and Phenotypic Responses of <i>Listeria monocytogenes</i> Strains Possessing Different Growth Efficiencies under Acidic Conditions. Applied and Environmental Microbiology, 3.1 2010, 76, 4836-4850. Genomic Analysis of Psychrophilic Prokaryotes., 2008, , 265-284. 92 40 Dark metabolism: a molecular insight into how the Antarctic seaâ€ice diatom <i>Fragilariopsis cylindrus</i> survives longâ€term darkness. New Phytologist, 2019, 223, 675-691. Population Dynamics of Vibrio and Pseudomonas Species Isolated from Farmed Tasmanian Atlantic 94 2.8 39 Salmon (Salmo salar L.): A Seasonal Study. Microbial Ecology, 2014, 68, 679-687. Effect of abattoir, livestock species and storage temperature on bacterial community dynamics and 4.2 39 sensory properties of vacuum packaged red meat. Food Microbiology, 2021, 94, 103648. Protein Thermodynamics Can Be Predicted Directly from Biological Growth Rates. PLoS ONE, 2014, 9, 96 2.5 39 e96100. Shewanella affinis sp. nov., isolated from marine invertebrates. International Journal of Systematic 38 and Evolutionary Microbiology, 2004, 54, 1089-1093. Use of gene probes to assess the impact and effectiveness of aerobic in situ bioremediation of TCE. 98 2.2 38 Archives of Microbiology, 2009, 191, 221-232. Impact of Lactose Starvation on the Physiology of <i>Lactobacillus casei</i> GCRL163 in the Presence 3.7 or Absence of Tween 80. Journal of Proteome Research, 2013, 12, 5313-5322. Culture-dependent and culture-independent assessment of spoilage community growth on VP lamb 100 4.2 37 meat from packaging to past end of shelf-life. Food Microbiology, 2017, 68, 71-80. Optimization and maintenance of soluble methane monooxygenase activity inMethylosinus trichosporium OB3b. Biodegradation, 1994, 5, 1-11. Investigation and optimization of a passively operated compost-based system for remediation of acidic, 102 11.335 highly iron- and sulfate-rich industrial waste water. Water Research, 2009, 43, 2302-2316. Changes of the bacterial community diversity on chicken carcasses through an Australian poultry 4.2 processing line. Food Microbiology, 2020, 86, 103350. Out From the Shadows – Resolution of the Taxonomy of the Family Cryomorphaceae. Frontiers in 104 3.5 34 Microbiology, 2020, 11, 795. Methylomonas fodinarum sp. nov. and Methylomonas aurantiaca sp.nov.: Two Closely Related Type I 2.8 Obligate Methanotrophs. Systematic and Applied Microbiology, 1990, 13, 279-287. Occurrence and significance of long-chain (ω-1)-hydroxy fatty acids in methane-utilizing bacteria. 106 1.8 33 Organic Geochemistry, 1992, 18, 189-194. Molecular site assessment and process monitoring in bioremediation and natural attenuation. Applied Biochemistry and Biotechnology, 1995, 54, 277-290. Biogeographic and Quantitative Analyses of Abundant Uncultivated Î³-Proteobacterial Clades from 108 2.8 32 Marine Sediment. Microbial Ecology, 2005, 49, 451-460.

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| 109 | Salegentibacter flavus sp. nov International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 583-586. | 1.7 | 32 |
| 110 | Biodiversity and ecophysiology of bacteria associated with Antarctic sea ice. Antarctic Science, 1997, 9, 134-142. | 0.9 | 30 |
| 111 | Effect of abattoir and cut on variations in microbial communities of vacuum-packaged beef. Meat Science, 2017, 131, 34-39. | 5.5 | 29 |
| 112 | Stromatolites on the rise in peat-bound karstic wetlands. Scientific Reports, 2017, 7, 15384. | 3.3 | 28 |
| 113 | Genomics of Psychrophilic Bacteria and Archaea. , 2017, , 345-387. | | 28 |
| 114 | The Family Cryomorphaceae. , 2014, , 539-550. | | 28 |
| 115 | Methanotrophic TCE Biodegradation in a Multi-Stage Bioreactor. Environmental Science & Technology, 1995, 29, 2073-2082. | 10.0 | 26 |
| 116 | Understanding bacterial communities for informed biosecurity and improved larval survival in Pacific oysters. Aquaculture, 2018, 497, 164-173. | 3.5 | 26 |
| 117 | Nesiotobacter exalbescens gen. nov., sp. nov., a moderately thermophilic alphaproteobacterium from an Hawaiian hypersaline lake. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 563-567. | 1.7 | 25 |
| 118 | <i>Salmonella enterica</i> in Mexico 2000–2017: Epidemiology, Antimicrobial Resistance, and Prevalence in Food. Foodborne Pathogens and Disease, 2020, 17, 98-118. | 1.8 | 25 |
| 119 | Utility of gel-free, label-free shotgun proteomics approaches to investigate microorganisms. Applied Microbiology and Biotechnology, 2011, 90, 407-416. | 3.6 | 24 |
| 120 | Application of chlorine dioxide and peroxyacetic acid during spray chilling as a potential antimicrobial intervention for beef carcasses. Food Microbiology, 2020, 87, 103355. | 4.2 | 23 |
| 121 | Effects of feed ration and temperature on Chinook salmon (Oncorhynchus tshawytscha) microbiota in freshwater recirculating aquaculture systems. Aquaculture, 2021, 543, 736965. | 3.5 | 23 |
| 122 | Proposal of Xanthomonas translucens pv. pistaciae pv. nov., pathogenic to pistachio (Pistacia vera). Systematic and Applied Microbiology, 2009, 32, 549-557. | 2.8 | 22 |
| 123 | Expressing AtNHX1 in barley (Hordium vulgare L.) does not improve plant performance under saline conditions. Plant Growth Regulation, 2015, 77, 289-297. | 3.4 | 22 |
| 124 | Revised Taxonomy of the Methanotrophs: Description of Methylobacter gen. nov., Emendation of Methylococcus, Validation of Methylosinus and Methylocystis Species, and a Proposal that the Family Methylococcaceae Includes Only the Group I Methanotrophs. International Journal of Systematic Bacteriology, 1994, 44, 375-375 | 2.8 | 21 |
| 125 | Physiological Response of Escherichia coli O157:H7 Sakai to Dynamic Changes in Temperature and Water Activity as Experienced during Carcass Chilling. Molecular and Cellular Proteomics, 2016, 15, 3331-3347. | 3.8 | 21 |
| 126 | Expressing Arabidopsis thaliana V-ATPase subunit C in barley (Hordeum vulgare) improves plant performance under saline condition by enabling better osmotic adjustment. Functional Plant Biology, 2017, 44, 1147. | 2.1 | 21 |

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| 127 | Molecules and morphology: comparative developmental genetics of the Brassicaceae. Plant Systematics and Evolution, 2006, 259, 199-215. | 0.9 | 20 |
| 128 | MudPIT analysis of alkaline tolerance by Listeria monocytogenes strains recovered as persistent food factory contaminants. Food Microbiology, 2012, 30, 187-196. | 4.2 | 20 |
| 129 | Control of microbes on barley grains using peroxyacetic acid and electrolysed water as antimicrobial agents. Food Microbiology, 2018, 76, 103-109. | 4.2 | 20 |
| 130 | InÂvitro characteristics of an Atlantic salmon (Salmo salar L.) hind gut microbial community in relation to different dietary treatments. Research in Microbiology, 2017, 168, 751-759. | 2.1 | 19 |
| 131 | Degradation of nonane by bacteria from Antarctic marine sediment. Polar Biology, 2004, 27, 573. | 1.2 | 18 |
| 132 | The fungal community structure of barley malts from diverse geographical regions correlates with malt quality parameters. International Journal of Food Microbiology, 2015, 215, 71-78. | 4.7 | 18 |
| 133 | Characterisation of Listeria monocytogenes food-associated isolates to assess environmental fitness and virulence potential. International Journal of Food Microbiology, 2021, 350, 109247. | 4.7 | 18 |
| 134 | Flavobacterial response to organic pollution. Aquatic Microbial Ecology, 2008, 51, 31-43. | 1.8 | 17 |
| 135 | Optimisation of one-tube PCR-ELISA to detect femtogram amounts of genomic DNA. Journal of Microbiological Methods, 2002, 51, 163-170. | 1.6 | 16 |
| 136 | Combined Cytotoxicity of the Phycotoxin Okadaic Acid and Mycotoxins on Intestinal and Neuroblastoma Human Cell Models. Toxins, 2018, 10, 526. | 3.4 | 16 |
| 137 | The microbiome of Chinook salmon (Oncorhynchus tshawytscha) in a recirculation aquaculture system. Aquaculture, 2021, 534, 736227. | 3.5 | 16 |
| 138 | Effects of organic perturbation on marine sediment betaproteobacterial ammonia oxidizers and on benthic nitrogen biogeochemistry. Marine Ecology - Progress Series, 2009, 392, 17-32. | 1.9 | 16 |
| 139 | Pseudomonas mixta sp. nov., a Bacterium from Soil with Degradative Activity on a Variety of Complex Polysaccharides. Systematic and Applied Microbiology, 1988, 11, 53-59. | 2.8 | 15 |
| 140 | Global Genome Response of Escherichia coli O157â^¶H7 Sakai during Dynamic Changes in Growth Kinetics Induced by an Abrupt Temperature Downshift. PLoS ONE, 2014, 9, e99627. | 2.5 | 15 |
| 141 | Proteomic analysis of Lactobacillus casei GCRL163 cell-free extracts reveals a SecB homolog and other biomarkers of prolonged heat stress. PLoS ONE, 2018, 13, e0206317. | 2.5 | 15 |
| 142 | Diversity and guaiacol production of Alicyclobacillus spp. from fruit juice and fruit-based beverages. International Journal of Food Microbiology, 2019, 311, 108314. | 4.7 | 14 |
| 143 | Colonisation dynamics of Listeria monocytogenes strains isolated from food production environments. Scientific Reports, 2021, 11, 12195. | 3.3 | 14 |
| 144 | Bioactive Compound Synthetic Capacity and Ecological Significance of Marine Bacterial Genus Pseudoalteromonas. Marine Drugs, 2007, 5, 220-241. | 4.6 | 14 |

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| 145 | Physiological aspects of Listeria monocytogenes during inactivation accelerated by mild temperatures and otherwise non-growth permissive acidic and hyperosmotic conditions. International Journal of Food Microbiology, 2010, 141, 177-185. | 4.7 | 13 |
| 146 | TRFLP analysis reveals that fungi rather than bacteria are associated with premature yeast flocculation in brewing. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1821-1832. | 3.0 | 13 |
| 147 | MudPIT Profiling Reveals a Link between Anaerobic Metabolism and the Alkaline Adaptive Response of Listeria monocytogenes EGD-e. PLoS ONE, 2013, 8, e54157. | 2.5 | 13 |
| 148 | Attached and Planktonic <i>Listeria monocytogenes</i> Global Proteomic Responses and Associated Influence of Strain Genetics and Temperature. Journal of Proteome Research, 2015, 14, 1161-1173. | 3.7 | 13 |
| 149 | Effect of peracetic acid on Campylobacter in food matrices mimicking commercial poultry processing. Food Control, 2020, 113, 107185. | 5.5 | 13 |
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