

# Linda L. Blackall

## List of Publications by Year in descending order

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179  
papers

14,761  
citations

20759

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115  
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186  
docs citations

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times ranked

10548  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Advances in enhanced biological phosphorus removal: From micro to macro scale. <i>Water Research</i> , 2007, 41, 2271-2300.   | 5.3  | 998       |
| 2  | Identification of Polyphosphate-Accumulating Organisms and Design of 16S rRNA-Directed Probes for Their Detection and Quantitation. <i>Applied and Environmental Microbiology</i> , 2000, 66, 1175-1182.  | 1.4  | 691       |
| 3  | Metagenomic analysis of two enhanced biological phosphorus removal (EBPR) sludge communities. <i>Nature Biotechnology</i> , 2006, 24, 1263-1269.  | 9.4  | 634       |
| 4  | rRNA Sequences and Evolutionary Relationships among Toxic and Nontoxic Cyanobacteria of the Genus <i>Microcystis</i> . <i>International Journal of Systematic Bacteriology</i> , 1997, 47, 693-697.   | 2.8  | 439       |
| 5  | Microbial ecology meets electrochemistry: electricity-driven and driving communities. <i>ISME Journal</i> , 2007, 1, 9-18.  | 4.4  | 433       |
| 6  | Bacterial community structures of phosphate-removing and non-phosphate-removing activated sludges from sequencing batch reactors. <i>Applied and Environmental Microbiology</i> , 1995, 61, 1910-1916.  | 1.4  | 429       |
| 7  | Glycogen-accumulating organisms in laboratory-scale and full-scale wastewater treatment processes<br>b bThe GenBank accession numbers for the sequences reported in this paper are given in Methods..<br><i>Microbiology (United Kingdom)</i> , 2002, 148, 3353-3364.   | 0.7  | 377       |
| 8  | Shifting paradigms in restoration of the world's coral reefs. <i>Global Change Biology</i> , 2017, 23, 3437-3448.   | 4.2  | 351       |
| 9  | Phylogenetic Diversity of Bacteria Associated with the Marine Sponge <i>Rhopaloeides odorabile</i> . <i>Applied and Environmental Microbiology</i> , 2001, 67, 434-444.   | 1.4  | 322       |
| 10 | Investigation of Candidate Division TM7, a Recently Recognized Major Lineage of the Domain Bacteria with No Known Pure-Culture Representatives. <i>Applied and Environmental Microbiology</i> , 2001, 67, 411-419.  | 1.4  | 311       |
| 11 | Multiple Lateral Transfers of Dissimilatory Sulfite Reductase Genes between Major Lineages of Sulfate-Reducing Prokaryotes. <i>Journal of Bacteriology</i> , 2001, 183, 6028-6035.  | 1.0  | 309       |
| 12 | Metamorphosis of a Scleractinian Coral in Response to Microbial Biofilms. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1213-1221.  | 1.4  | 287       |
| 13 | Cathodic oxygen reduction catalyzed by bacteria in microbial fuel cells. <i>ISME Journal</i> , 2008, 2, 519-527.  | 4.4  | 268       |
| 14 | Coral microbiome dynamics, functions and design in a changing world. <i>Nature Reviews Microbiology</i> , 2019, 17, 557-567.  | 13.6 | 267       |
| 15 | Filamentous Chloroflexi (green non-sulfur bacteria) are abundant in wastewater treatment processes with biological nutrient removal c cThe EMBL accession numbers for the sequences reported in this paper are X84472 (strain SBR1029 16S rDNA), X84474 (strain SBR1031 16S rDNA), X84498 (strain SBR1064) Tj E0Q1 1 0.264314 | 1.0  | 264       |
| 16 | Comparison of acetate and propionate uptake by polyphosphate accumulating organisms and glycogen accumulating organisms. <i>Biotechnology and Bioengineering</i> , 2005, 91, 162-168.   | 1.7  | 233       |
| 17 | Use of Stable-Isotope Probing, Full-Cycle rRNA Analysis, and Fluorescence In Situ Hybridization-Microautoradiography To Study a Methanol-Fed Denitrifying Microbial Community. <i>Applied and Environmental Microbiology</i> , 2004, 70, 588-596.   | 1.4  | 213       |
| 18 | Identification of Some of the Major Groups of Bacteria in Efficient and Nonefficient Biological Phosphorus Removal Activated Sludge Systems. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4077-4084.   | 1.4  | 202       |

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|----|---|-----|-----------|
| 19 | Hydrolysis and microbial community analyses in two-stage anaerobic digestion of energy crops. <i>Journal of Applied Microbiology</i> , 2007, 103, 516-527.  | 1.4 | 186       |
| 20 | Coral—the world's most diverse symbiotic ecosystem. <i>Molecular Ecology</i> , 2015, 24, 5330-5347.   | 2.0 | 184       |
| 21 | Induction of Larval Metamorphosis of the Coral <i>Acropora millepora</i> by Tetrabromopyrrole Isolated from a <i>Pseudoalteromonas</i> Bacterium. <i>PLoS ONE</i> , 2011, 6, e19082.  | 1.1 | 184       |
| 22 | Identification and comparison of aerobic and denitrifying polyphosphate-accumulating organisms. <i>Biotechnology and Bioengineering</i> , 2003, 83, 140-148.  | 1.7 | 162       |
| 23 | A review and update of the microbiology of enhanced biological phosphorus removal in wastewater treatment plants. <i>Antonie Van Leeuwenhoek</i> , 2002, 81, 681-691.   | 0.7 | 161       |
| 24 | Investigation of an Acetate-Fed Denitrifying Microbial Community by Stable Isotope Probing, Full-Cycle rRNA Analysis, and Fluorescent In Situ Hybridization-Microautoradiography. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8683-8691.  | 1.4 | 160       |
| 25 | Development and Use of Fluorescent In Situ Hybridization Probes for the Detection and Identification of <i>Microthrix parvicella</i> in Activated Sludge. <i>Systematic and Applied Microbiology</i> , 1997, 20, 310-318.   | 1.2 | 158       |
| 26 | Enhanced biological phosphorus removal in a sequencing batch reactor using propionate as the sole carbon source. <i>Biotechnology and Bioengineering</i> , 2004, 85, 56-67.   | 1.7 | 158       |
| 27 | Putative glycogen-accumulating organisms belonging to the Alphaproteobacteria identified through rRNA-based stable isotope probing. <i>Microbiology (United Kingdom)</i> , 2006, 152, 419-429.  | 0.7 | 156       |
| 28 | The influence of substrate kinetics on the microbial community structure in granular anaerobic biomass. <i>Water Research</i> , 2004, 38, 1390-1404.  | 5.3 | 155       |
| 29 | Microbiology of a Nitrite-Oxidizing Bioreactor. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1878-1883.  | 1.4 | 154       |
| 30 | Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. <i>Science of the Total Environment</i> , 2022, 805, 149877.  | 3.9 | 153       |
| 31 | Reclassification of <i>Pasteurella gallinarum</i> , [ <i>Haemophilus</i> ] <i>paragallinarum</i> , <i>Pasteurella avium</i> and <i>Pasteurella volantium</i> as <i>Avibacterium gallinarum</i> gen. nov., comb. nov., <i>Avibacterium paragallinarum</i> comb. nov., <i>Avibacterium avium</i> comb. nov. and <i>Avibacterium volantium</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 353-362. | 0.8 | 141       |
| 32 | A bacterial metapopulation adapts locally to phage predation despite global dispersal. <i>Genome Research</i> , 2008, 18, 293-297.  | 2.4 | 135       |
| 33 | <i>Streptococcus caprinus</i> sp.nov., a tannin-resistant ruminal bacterium from feral goats. <i>Letters in Applied Microbiology</i> , 1994, 18, 313-318.   | 1.0 | 130       |
| 34 | The use of second derivative plots for the determination of mol% guanine plus cytosine of DNA by the thermal denaturation method. <i>Journal of Microbiological Methods</i> , 1986, 5, 139-156.   | 0.7 | 129       |
| 35 | Dynamics of a temperature-related coral disease outbreak. <i>Marine Ecology - Progress Series</i> , 2004, 281, 63-77.   | 0.9 | 120       |
| 36 | Design and Evaluation of 16S rRNA-Targeted Oligonucleotide Probes for Fluorescence In Situ Hybridization. , 2002, 179, 029-042.   |     | 116       |

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|----|---|-----|-----------|
| 37 | Identification, Detection, and Spatial Resolution of Clostridium Populations Responsible for Cellulose Degradation in a Methanogenic Landfill Leachate Bioreactor. Applied and Environmental Microbiology, 2004, 70, 2414-2419.   | 1.4 | 113       |
| 38 | Changes in equine hindgut bacterial populations during oligofructose-induced laminitis. Environmental Microbiology, 2006, 8, 885-898.   | 1.8 | 113       |
| 39 | Phylogenetic relationships of filamentous sulfur bacteria (Thiothrix spp. and Eikelboom type 021N) Tj ETQq1 1 0.784314 rgBT /Overlo<br>Thiothrix unzii sp. nov., Thiothrix fructosivorans sp. nov. and Thiothrix defluvii sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 1999, 49, 1817-1827. | 0.8 | 112       |
| 40 | Phylogenetic positions of phytoplasmas associated with dieback, yellow crinkle and mosaic diseases of papaya, and their proposed inclusion in ' Candidatus Phytoplasma australiense' and a new taxon, 'Candidatus Phytoplasma australasia'. International Journal of Systematic Bacteriology, 1998, 48, 941-951.            | 2.8 | 111       |
| 41 | Challenges for simultaneous nitrification, denitrification, and phosphorus removal in microbial aggregates: mass transfer limitation and nitrous oxide production. FEMS Microbiology Ecology, 2005, 52, 329-338.  | 1.3 | 108       |
| 42 | Anaerobic and aerobic metabolism of glycogen-accumulating organisms selected with propionate as the sole carbon source. Microbiology (United Kingdom), 2006, 152, 2767-2778.  | 0.7 | 108       |
| 43 | Abundance and ecophysiology of Defluviicoccus spp., glycogen-accumulating organisms in full-scale wastewater treatment processes. Microbiology (United Kingdom), 2007, 153, 178-185.  | 0.7 | 106       |
| 44 | The contribution of microbial biotechnology to mitigating coral reef degradation. Microbial Biotechnology, 2017, 10, 1236-1243.   | 2.0 | 101       |
| 45 | Phylogeny of the filamentous bacterium Eikelboom Type 1851, and design and application of a 16S rRNA targeted oligonucleotide probe for its fluorescence in situ identification in activated sludge. FEMS Microbiology Letters, 2002, 207, 179-183.   | 0.7 | 100       |
| 46 | Microplastic pollution alters forest soil microbiome. Journal of Hazardous Materials, 2021, 409, 124606.  | 6.5 | 100       |
| 47 | Sludge population optimisation: a new dimension for the control of biological wastewater treatment systems. Water Research, 2002, 36, 482-490.  | 5.3 | 98        |
| 48 | Functionally Relevant Microorganisms to Enhanced Biological Phosphorus Removal Performance at Full-scale Wastewater Treatment Plants in the United States. Water Environment Research, 2008, 80, 688-698.   | 1.3 | 95        |
| 49 | What do we really know about sponge-microbial symbioses?. ISME Journal, 2009, 3, 1-3.   | 4.4 | 92        |
| 50 | A Proposal To Reclassify Nocardia pinensis Blackall et al. as Skermania piniformis gen. nov., comb. nov.. International Journal of Systematic Bacteriology, 1997, 47, 127-131.  | 2.8 | 87        |
| 51 | Microbial distribution of <i>Accumulibacter</i> spp. and <i>Competibacter</i> spp. in aerobic granules from a lab-scale biological nutrient removal system. Environmental Microbiology, 2008, 10, 354-363.  | 1.8 | 86        |
| 52 | Molecular investigation of a microbial mat associated with the Great Artesian Basin. FEMS Microbiology Ecology, 1998, 25, 391-403.  | 1.3 | 84        |
| 53 | Fluorescence In Situ Hybridization and Spectral Imaging of Coral-Associated Bacterial Communities. Applied and Environmental Microbiology, 2006, 72, 3016-3020.   | 1.4 | 83        |
| 54 | Microbial ecology of the equine hindgut during oligofructose-induced laminitis. ISME Journal, 2008, 2, 1089-1100.   | 4.4 | 82        |

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|----|---|-----|-----------|
| 55 | Disease and cell death in white syndrome of Acroporid corals on the Great Barrier Reef. <i>Marine Biology</i> , 2007, 151, 19-29.   | 0.7 | 81        |
| 56 | Development of a multi-locus sequence typing scheme for avian isolates of <i>Pasteurella multocida</i> . <i>Veterinary Microbiology</i> , 2010, 141, 354-361.   | 0.8 | 81        |
| 57 | ' <i>Candidatus Nostocoida limicola</i> ', a filamentous bacterium from activated sludge.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2000, 50, 703-709.  | 0.8 | 77        |
| 58 | â€œ <i>Microthrix parvicella</i> â€ is a Novel, Deep Branching Member of the Actinomycetes Subphylum. <i>Systematic and Applied Microbiology</i> , 1995, 17, 513-518.   | 1.2 | 76        |
| 59 | Structure of a cellulose degrading bacterial community during anaerobic digestion. <i>Biotechnology and Bioengineering</i> , 2005, 92, 871-878.   | 1.7 | 75        |
| 60 | " <i>Candidatus Microthrix parvicella</i> ," a Filamentous Bacterium from Activated Sludge Sewage Treatment Plants. <i>International Journal of Systematic Bacteriology</i> , 1996, 46, 344-346.  | 2.8 | 73        |
| 61 | Concurrent microscopic observations and activity measurements of cellulose hydrolyzing and methanogenic populations during the batch anaerobic digestion of crystalline cellulose. <i>Biotechnology and Bioengineering</i> , 2005, 91, 369-378.                                   | 1.7 | 70        |
| 62 | Beneath the surface: community assembly and functions of the coral skeleton microbiome. <i>Microbiome</i> , 2019, 7, 159.   | 4.9 | 67        |
| 63 | 16S rRNA Analysis of Isolates Obtained from Gram-Negative, Filamentous Bacteria Micromanipulated from Activated Sludge. <i>Systematic and Applied Microbiology</i> , 1996, 19, 334-343.   | 1.2 | 61        |
| 64 | Analysis of the microbial community structure and function of a laboratory scale enhanced biological phosphorus removal reactor. <i>Environmental Microbiology</i> , 2002, 4, 559-569.  | 1.8 | 61        |
| 65 | Intracellular bacteria are common and taxonomically diverse in cultured and <i>in hospite</i> algal endosymbionts of coral reefs. <i>ISME Journal</i> , 2021, 15, 2028-2042.  | 4.4 | 61        |
| 66 | Metabolic transformations and characterisation of the sludge community in an enhanced biological phosphorus removal system. <i>Applied Microbiology and Biotechnology</i> , 1998, 49, 226-234.  | 1.7 | 56        |
| 67 | Proton motive force generation from stored polymers for the uptake of acetate under anaerobic conditions. <i>FEMS Microbiology Letters</i> , 2007, 274, 245-251.  | 0.7 | 56        |
| 68 | Experimental Inoculation of Coral Recruits With Marine Bacteria Indicates Scope for Microbiome Manipulation in <i>Acropora tenuis</i> and <i>Platygyra daedalea</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1702.  | 1.5 | 55        |
| 69 | Cellulolytic and dextranolytic Gram-negative bacteria: revival of the genus <i>Cellvibrio</i> . <i>Journal of Applied Bacteriology</i> , 1985, 59, 81-97.   | 1.1 | 53        |
| 70 | Monitoring associations between clade-level variation, overall community structure and ecosystem function in enhanced biological phosphorus removal (EBPR) systems using terminal-restriction fragment length polymorphism (T-RFLP). <i>Water Research</i> , 2010, 44, 4908-4923. | 5.3 | 51        |
| 71 | Molecular Identification of Activated Sludge Foaming Bacteria. <i>Water Science and Technology</i> , 1994, 29, 35-42.   | 1.2 | 49        |
| 72 | A multiple-outgroup approach to resolving division-level phylogenetic relationships using 16S rDNA data.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2001, 51, 385-391.   | 0.8 | 46        |

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|----|---|-----|-----------|
| 73 | Cinnamaldehyde disrupts biofilm formation and swarming motility of <i>Pseudomonas aeruginosa</i> . <i>Microbiology (United Kingdom)</i> , 2018, 164, 1087-1097.   | 0.7 | 46        |
| 74 | Bioenergetic models for acetate and phosphate transport in bacteria important in enhanced biological phosphorus removal. <i>Environmental Microbiology</i> , 2008, 10, 87-98.   | 1.8 | 45        |
| 75 | Anaerobic phosphate release from activated sludge with enhanced biological phosphorus removal. A possible mechanism of intracellular pH control. , 1999, 63, 507-515.   |     | 44        |
| 76 | Anaerobic glyoxylate cycle activity during simultaneous utilization of glycogen and acetate in uncultured <i>Accumulibacter</i> enriched in enhanced biological phosphorus removal communities. <i>ISME Journal</i> , 2008, 2, 1040-1051. | 4.4 | 44        |
| 77 | Foaming in activated sludge plants: A survey in Queensland, Australia and an evaluation of some control strategies. <i>Water Research</i> , 1991, 25, 313-317.  | 5.3 | 42        |
| 78 | PCR detection of <i>Clostridium perfringens</i> producing different toxins in faeces of goats. <i>Letters in Applied Microbiology</i> , 1997, 25, 339-344.  | 1.0 | 42        |
| 79 | Kinetic and phylogenetic characterization of an anaerobic dechlorinating microbial community. <i>Microbiology (United Kingdom)</i> , 2003, 149, 459-469.  | 0.7 | 40        |
| 80 | Phylogeny of the filamentous bacterium ' <i>Nostocoida limicola</i> ' III from activated sludge.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2001, 51, 195-202.   | 0.8 | 40        |
| 81 | The use of 16S rDNA clone libraries to describe the microbial diversity of activated sludge communities. <i>Water Science and Technology</i> , 1998, 37, 451-454.   | 1.2 | 39        |
| 82 | Microscale structure and function of anaerobic-aerobic granules containing glycogen accumulating organisms. <i>FEMS Microbiology Ecology</i> , 2003, 45, 253-261.   | 1.3 | 39        |
| 83 | Limitations of the widely used GAM42a and BET42a probes targeting bacteria in the Gammaproteobacteria radiation. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1239-1247.   | 0.7 | 39        |
| 84 | <i>Meganema perideroedes</i> gen. nov., sp. nov., a filamentous alphaproteobacterium from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1865-1868.                               | 0.8 | 39        |
| 85 | The filamentous morphotype Eikelboom Type 1863 is not a single genetic entity. <i>Journal of Applied Microbiology</i> , 1997, 82, 411-421.  | 1.4 | 38        |
| 86 | Activity of Cinnamaldehyde on Quorum Sensing and Biofilm Susceptibility to Antibiotics in <i>Pseudomonas aeruginosa</i> . <i>Microorganisms</i> , 2020, 8, 455.   | 1.6 | 38        |
| 87 | The mechanism of stabilization of actinomycete foams and the prevention of foaming under laboratory conditions. <i>Journal of Industrial Microbiology</i> , 1989, 4, 181-187.   | 0.9 | 36        |
| 88 | Actinomycete Scum Problems in Australian Activated Sludge Plants. <i>Water Science and Technology</i> , 1988, 20, 493-495.  | 1.2 | 36        |
| 89 | Activated sludge foams: Effects of environmental variables on organism growth and foam formation. <i>Environmental Technology (United Kingdom)</i> , 1991, 12, 241-248.   | 1.2 | 35        |
| 90 | The Filamentous Bacterial Morphotype ' <i>Nostocoida limicola</i> ' I Contains at least Two Previously Described Genera in the Low G+C Gram Positive Bacteria. <i>Systematic and Applied Microbiology</i> , 2000, 23, 528-534.            | 1.2 | 33        |

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|-----|---|-----|-----------|
| 91  | Exaiptasia diaphana from the great barrier reef: a valuable resource for coral symbiosis research. Symbiosis, 2020, 80, 195-206.  | 1.2 | 33        |
| 92  | The characterization and description of representatives of <i>Microthrix</i> bacteria from activated sludge plants. Letters in Applied Microbiology, 1997, 25, 63-69.   | 1.0 | 32        |
| 93  | Using Bacterial Extract along with Differential Gene Expression in <i>Acropora millepora</i> Larvae to Decouple the Processes of Attachment and Metamorphosis. PLoS ONE, 2012, 7, e37774.   | 1.1 | 32        |
| 94  | Phylogenetic and physiological characterization of a heterotrophic, chemolithoautotrophic <i>Thiothrix</i> strain isolated from activated sludge. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1271-1276. | 0.8 | 31        |
| 95  | Mixed-mode bacterial transmission in the common brooding coral <i>Pocillopora acuta</i> . Environmental Microbiology, 2020, 22, 397-412.  | 1.8 | 31        |
| 96  | Phenotypic and phylogenetic description of an Italian isolate of <i>Microthrix parvicella</i> . Journal of Applied Microbiology, 1997, 82, 405-410.   | 1.4 | 30        |
| 97  | Variability of type O21N in activated sludge as determined by substrate uptake pattern and hybridization with fluorescent rRNA targeted probes. Water Science and Technology, 1998, 37, 423.  | 1.2 | 30        |
| 98  | Early Life Stages of a Common Broadcast Spawning Coral Associate with Specific Bacterial Communities Despite Lack of Internalized Bacteria. Microbial Ecology, 2020, 79, 706-719.   | 1.4 | 30        |
| 99  | Development of a free radical scavenging bacterial consortium to mitigate oxidative stress in cnidarians. Microbial Biotechnology, 2021, 14, 2025-2040.   | 2.0 | 30        |
| 100 | Biological nutrient removal efficiency in treatment of saline wastewater. Water Science and Technology, 1999, 39, 183.  | 1.2 | 28        |
| 101 | Assessment of bacterial community composition within and among <i>Acropora loripes</i> colonies in the wild and in captivity. Coral Reefs, 2020, 39, 1245-1255.   | 0.9 | 28        |
| 102 | The use of 16S rDNA clone libraries to describe the microbial diversity of activated sludge communities. Water Science and Technology, 1998, 37, 451.   | 1.2 | 27        |
| 103 | Nitrifying bacterial communities in an aquaculture wastewater treatment system using fluorescence in situ hybridization (FISH), 16S rRNA gene cloning, and phylogenetic analysis. Biotechnology and Bioengineering, 2007, 97, 985-990.    | 1.7 | 27        |
| 104 | Some physiological properties of an Italian isolate of <i>Microthrix</i> . Water Science and Technology, 1998, 37, 1.   | 1.2 | 26        |
| 105 | Comparison of cellulose solubilisation rates in rumen and landfill leachate inoculated reactors. Bioresource Technology, 2006, 97, 2356-2363.   | 4.8 | 26        |
| 106 | A feral goat rumen fluid inoculum improves nitrogen retention in sheep consuming a mulga ( <i>Acacia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5  | 2.5 | 25        |
| 107 | Characterisation of a novel <i>Mannheimia</i> sp from Australian feedlot cattle. Australian Veterinary Journal, 2001, 79, 634-639.  | 0.5 | 24        |
| 108 | PCR detection of <i>Clostridium chauvoei</i> in pure cultures and in formalin-fixed, paraffin-embedded tissues. Veterinary Microbiology, 2003, 91, 239-248.   | 0.8 | 23        |



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|-----|---|-----|-----------|
| 109 | The effect of biomass density on cellulose solubilisation rates. <i>Bioresource Technology</i> , 2008, 99, 4723-4731.   | 4.8 | 23        |
| 110 | Microbiota characterization of <i>Exaiptasia diaphana</i> from the Great Barrier Reef. <i>Animal Microbiome</i> , 2020, 2, 10.  | 1.5 | 23        |
| 111 | Host Traits and Phylogeny Contribute to Shaping Coral-Bacterial Symbioses. <i>MSystems</i> , 2022, 7, e0004422.   | 1.7 | 22        |
| 112 | Multiple techniques point to oxygenic phototrophs dominating the <i>Isopora palifera</i> skeletal microbiome. <i>Coral Reefs</i> , 2021, 40, 275-282.   | 0.9 | 21        |
| 113 | Some physiological properties of an Italian isolate of <i>Microthrix parvicella</i> . <i>Water Science and Technology</i> , 1998, 37, 1-8.  | 1.2 | 20        |
| 114 | Aerobic nitrate respiration in a nitrite-oxidising bioreactor. <i>FEMS Microbiology Letters</i> , 2000, 184, 113-118.   | 0.7 | 20        |
| 115 | DNA extraction from coral reef sediment bacteria for the polymerase chain reaction. <i>Journal of Microbiological Methods</i> , 2000, 43, 73-80.  | 0.7 | 20        |
| 116 | Phylogenetic analysis of <i>Porphyromonas</i> species isolated from the oral cavity of Australian marsupials. <i>Environmental Microbiology</i> , 2008, 10, 2425-2432.  | 1.8 | 20        |
| 117 | Anaerobic central metabolic pathways active during polyhydroxyalkanoate production in uncultured cluster 1 <i>DeFluviicoccus</i> enriched in activated sludge communities. <i>FEMS Microbiology Letters</i> , 2009, 298, 79-84. | 0.7 | 20        |
| 118 | Intracellular Bacterial Symbionts in Corals: Challenges and Future Directions. <i>Microorganisms</i> , 2021, 9, 2209.   | 1.6 | 20        |
| 119 | The opportunistic pathogen <i>Nocardia farcinica</i> is a foam-producing bacterium in activated sludge plants. <i>Letters in Applied Microbiology</i> , 1996, 22, 342-346.  | 1.0 | 19        |
| 120 | A review of anti-nutritive factors limiting potential use of <i>Acacia angustissima</i> as a ruminant feed. <i>Animal Feed Science and Technology</i> , 2008, 147, 158-171.   | 1.1 | 19        |
| 121 | Application of flowcell technology for monitoring biofilm development and cellulose degradation in leachate and rumen systems. <i>Bioresource Technology</i> , 2009, 100, 492-496.  | 4.8 | 19        |
| 122 | Characterisation of enhanced biological phosphorus removal activated sludges with dissimilar phosphorus removal performances. <i>Water Science and Technology</i> , 1998, 37, 567-571.  | 1.2 | 19        |
| 123 | Isolation and identification of an Eikelboom type 1863 strain as <i>Acinetobacter johnsonii</i> . <i>Water Research</i> , 1997, 31, 657-660.  | 5.3 | 18        |
| 124 | Isolation and characterization of a <i>Clostridium</i> sp. with cinnamoyl esterase activity and unusual cell envelope ultrastructure. <i>Archives of Microbiology</i> , 1999, 172, 139-149.                                     | 1.0 | 18        |
| 125 | Oral Disease in Animals: The Australian Perspective. Isolation and Characterisation of Black-Pigmented Bacteria from the Oral Cavity of Marsupials. <i>Anaerobe</i> , 2002, 8, 79-87.   | 1.0 | 18        |
| 126 | The Effect of Thermal Stress on the Bacterial Microbiome of <i>Exaiptasia diaphana</i> . <i>Microorganisms</i> , 2020, 8, 20.   | 1.6 | 18        |



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|-----|--|-----|-----------|
| 127 | An in vitro cultured rumen inoculum improves nitrogen digestion in mulga-fed sheep. Australian Journal of Agricultural Research, 1997, 48, 403.  | 1.5 | 18        |
| 128 | Phylogenetic Analysis and Taxonomic History of <i>Nocardia pinensis</i> and <i>Nocardia amarae</i> . Systematic and Applied Microbiology, 1995, 17, 519-525.   | 1.2 | 16        |
| 129 | Bio-P and non-bio-P bacteria identification by a novel microbial approach. Water Science and Technology, 1999, 39, 13.   | 1.2 | 16        |
| 130 | Discrepancies in the widely applied GAM42a fluorescence in situ hybridisation probe for Gammaproteobacteria. FEMS Microbiology Letters, 2005, 242, 367-373.  | 0.7 | 16        |
| 131 | Applicability of experience from laboratory reactors with biological phosphorus removal in full-scale plants. Water Science and Technology, 2006, 54, 267-275.   | 1.2 | 16        |
| 132 | Microbes orchestrate life on Earth. ISME Journal, 2008, 2, 795-796.  | 4.4 | 16        |
| 133 | <i>Streptococcus caprinus</i> is ineffective as a rumen inoculum to improve digestion of mulga ( <i>Acacia</i> ) Tj ETQq1 1 0.784314 rgBT /Overload  | 1.5 | 15        |
| 134 | Characterisation of enhanced biological phosphorus removal activated sludges with dissimilar phosphorus removal performances. Water Science and Technology, 1998, 37, 567.                                       | 1.2 | 15        |
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