

Philip L Bond

List of Publications by Year in descending order

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126
papers

12,171
citations

23567

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29157

104
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132
all docs

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docs citations

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times ranked

10416
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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. | 3.1 | 691 |
| 2 | Metagenomic analysis reveals wastewater treatment plants as hotspots of antibiotic resistance genes and mobile genetic elements. <i>Water Research</i> , 2017, 123, 468-478. | 11.3 | 604 |
| 3 | Formation of Sphalerite (ZnS) Deposits in Natural Biofilms of Sulfate-Reducing Bacteria. , 2000, 290, 1744-1747. | | 554 |
| 4 | An Archaeal Iron-Oxidizing Extreme Acidophile Important in Acid Mine Drainage. <i>Science</i> , 2000, 287, 1796-1799. | 12.6 | 510 |
| 5 | Glycogen-accumulating organisms in laboratory-scale and full-scale wastewater treatment processes b The GenBank accession numbers for the sequences reported in this paper are given in Methods.. <i>Microbiology (United Kingdom)</i> , 2002, 148, 3353-3364. | 1.8 | 377 |
| 6 | The application of two-dimensional polyacrylamide gel electrophoresis and downstream analyses to a mixed community of prokaryotic microorganisms. <i>Environmental Microbiology</i> , 2004, 6, 911-920. | 3.8 | 347 |
| 7 | Metaproteomics: studying functional gene expression in microbial ecosystems. <i>Trends in Microbiology</i> , 2006, 14, 92-97. | 7.7 | 326 |
| 8 | Phylogeny of Microorganisms Populating a Thick, Subaerial, Predominantly Lithotrophic Biofilm at an Extreme Acid Mine Drainage Site. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3842-3849. | 3.1 | 325 |
| 9 | Growth in sulfidic mineral environments: metal resistance mechanisms in acidophilic micro-organisms. <i>Microbiology (United Kingdom)</i> , 2003, 149, 1959-1970. | 1.8 | 286 |
| 10 | Comparison of Acid Mine Drainage Microbial Communities in Physically and Geochemically Distinct Ecosystems. <i>Applied and Environmental Microbiology</i> , 2000, 66, 4962-4971. | 3.1 | 282 |
| 11 | Cathodic oxygen reduction catalyzed by bacteria in microbial fuel cells. <i>ISME Journal</i> , 2008, 2, 519-527. | 9.8 | 268 |
| 12 | Structural and Regulatory Genes Required to Make the Gas Dimethyl Sulfide in Bacteria. <i>Science</i> , 2007, 315, 666-669. | 12.6 | 256 |
| 13 | Antiepileptic drug carbamazepine promotes horizontal transfer of plasmid-borne multi-antibiotic resistance genes within and across bacterial genera. <i>ISME Journal</i> , 2019, 13, 509-522. | 9.8 | 245 |
| 14 | 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. | 3.1 | 202 |
| 15 | Electron competition among nitrogen oxides reduction during methanol-utilizing denitrification in wastewater treatment. <i>Water Research</i> , 2013, 47, 3273-3281. | 11.3 | 200 |
| 16 | Characterization of <i>Ferroplasma</i> Isolates and <i>Ferroplasma acidarmanus</i> sp. nov., Extreme Acidophiles from Acid Mine Drainage and Industrial Bioleaching Environments. <i>Applied and Environmental Microbiology</i> , 2004, 70, 2079-2088. | 3.1 | 186 |
| 17 | Triclosan at environmentally relevant concentrations promotes horizontal transfer of multidrug resistance genes within and across bacterial genera. <i>Environment International</i> , 2018, 121, 1217-1226. | 10.0 | 182 |
| 18 | Initial development and structure of biofilms on microbial fuel cell anodes. <i>BMC Microbiology</i> , 2010, 10, 98. | 3.3 | 180 |

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|----|--|------|-----------|
| 19 | Both silver ions and silver nanoparticles facilitate the horizontal transfer of plasmid-mediated antibiotic resistance genes. <i>Water Research</i> , 2020, 169, 115229. | 11.3 | 179 |
| 20 | 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. | 1.7 | 161 |
| 21 | A decade of metaproteomics: Where we stand and what the future holds. <i>Proteomics</i> , 2015, 15, 3409-3417. | 2.2 | 161 |
| 22 | Metabolically Active Eukaryotic Communities in Extremely Acidic Mine Drainage. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6264-6271. | 3.1 | 159 |
| 23 | Community proteogenomics highlights microbial strain-variant protein expression within activated sludge performing enhanced biological phosphorus removal. <i>ISME Journal</i> , 2008, 2, 853-864. | 9.8 | 156 |
| 24 | Metaproteomics Provides Functional Insight into Activated Sludge Wastewater Treatment. <i>PLoS ONE</i> , 2008, 3, e1778. | 2.5 | 145 |
| 25 | Surface neutralization and H ₂ S oxidation at early stages of sewer corrosion: Influence of temperature, relative humidity and H ₂ S concentration. <i>Water Research</i> , 2012, 46, 4235-4245. | 11.3 | 141 |
| 26 | Non-antibiotic pharmaceuticals enhance the transmission of exogenous antibiotic resistance genes through bacterial transformation. <i>ISME Journal</i> , 2020, 14, 2179-2196. | 9.8 | 133 |
| 27 | Nonnutritive sweeteners can promote the dissemination of antibiotic resistance through conjugative gene transfer. <i>ISME Journal</i> , 2021, 15, 2117-2130. | 9.8 | 131 |
| 28 | Geochemical and biological aspects of sulfide mineral dissolution: lessons from Iron Mountain, California. <i>Chemical Geology</i> , 2000, 169, 383-397. | 3.3 | 129 |
| 29 | How Does Poly(hydroxyalkanoate) Affect Methane Production from the Anaerobic Digestion of Waste-Activated Sludge?. <i>Environmental Science & Technology</i> , 2015, 49, 12253-12262. | 10.0 | 125 |
| 30 | Enhancing aerobic granulation for biological nutrient removal from domestic wastewater. <i>Bioresource Technology</i> , 2012, 103, 101-108. | 9.6 | 124 |
| 31 | Determining the long-term effects of H ₂ S concentration, relative humidity and air temperature on concrete sewer corrosion. <i>Water Research</i> , 2014, 65, 157-169. | 11.3 | 122 |
| 32 | Efficient inactivation of antibiotic resistant bacteria and antibiotic resistance genes by photo-Fenton process under visible LED light and neutral pH. <i>Water Research</i> , 2020, 179, 115878. | 11.3 | 112 |
| 33 | Drivers of microbial community composition in mesophilic and thermophilic temperature-phased anaerobic digestion pre-treatment reactors. <i>Water Research</i> , 2013, 47, 7098-7108. | 11.3 | 111 |
| 34 | Improving wastewater management using free nitrous acid (FNA). <i>Water Research</i> , 2020, 171, 115382. | 11.3 | 111 |
| 35 | A wide host-range metagenomic library from a waste water treatment plant yields a novel alcohol/aldehyde dehydrogenase. <i>Environmental Microbiology</i> , 2005, 7, 1917-1926. | 3.8 | 107 |
| 36 | Determining the mechanisms for aerobic granulation from mixed seed of floccular and crushed granules in activated sludge wastewater treatment. <i>Water Research</i> , 2012, 46, 761-771. | 11.3 | 107 |

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|----|--|------|-----------|
| 37 | Predicting concrete corrosion of sewers using artificial neural network. <i>Water Research</i> , 2016, 92, 52-60. | 11.3 | 106 |
| 38 | Achieving Stable Nitritation for Mainstream Deammonification by Combining Free Nitrous Acid-Based Sludge Treatment and Oxygen Limitation. <i>Scientific Reports</i> , 2016, 6, 25547. | 3.3 | 104 |
| 39 | Unraveling microbial structure and diversity of activated sludge in a full-scale simultaneous nitrogen and phosphorus removal plant using metagenomic sequencing. <i>Enzyme and Microbial Technology</i> , 2017, 102, 16-25. | 3.2 | 100 |
| 40 | Chlorine disinfection facilitates natural transformation through ROS-mediated oxidative stress. <i>ISME Journal</i> , 2021, 15, 2969-2985. | 9.8 | 99 |
| 41 | Expanding our view of genomic diversity in <i>Candidatus</i> <i>cumulibacter</i> clades. <i>Environmental Microbiology</i> , 2015, 17, 1574-1585. | 3.8 | 98 |
| 42 | The role of iron in sulfide induced corrosion of sewer concrete. <i>Water Research</i> , 2014, 49, 166-174. | 11.3 | 92 |
| 43 | Characteristics of attachment and growth of <i>Thiobacillus caldus</i> on sulphide minerals: a chemotactic response to sulphur minerals?. <i>Environmental Microbiology</i> , 2000, 2, 324-332. | 3.8 | 86 |
| 44 | Extreme arsenic resistance by the acidophilic archaeon <i>Ferroplasma acidarmanus</i> ™ Fer1. <i>Extremophiles</i> , 2007, 11, 425-434. | 2.3 | 86 |
| 45 | Wastewater-Enhanced Microbial Corrosion of Concrete Sewers. <i>Environmental Science & Technology</i> , 2016, 50, 8084-8092. | 10.0 | 85 |
| 46 | Analysis of differential protein expression during growth states of <i>Ferroplasma</i> strains and insights into electron transport for iron oxidation. <i>Microbiology (United Kingdom)</i> , 2005, 151, 4127-4137. | 1.8 | 80 |
| 47 | Breakage and growth towards a stable aerobic granule size during the treatment of wastewater. <i>Water Research</i> , 2013, 47, 5338-5349. | 11.3 | 80 |
| 48 | Molecular insight into extreme copper resistance in the extremophilic archaeon <i>Ferroplasma acidarmanus</i> ™ Fer1. <i>Microbiology (United Kingdom)</i> , 2005, 151, 2637-2646. | 1.8 | 79 |
| 49 | Soil Bacterial Consortia and Previous Exposure Enhance the Biodegradation of Sulfonamides from Pig Manure. <i>Microbial Ecology</i> , 2012, 64, 140-151. | 2.8 | 79 |
| 50 | Identification of controlling factors for the initiation of corrosion of fresh concrete sewers. <i>Water Research</i> , 2015, 80, 30-40. | 11.3 | 78 |
| 51 | The Ecology of Acidophilic Microorganisms in the Corroding Concrete Sewer Environment. <i>Frontiers in Microbiology</i> , 2017, 8, 683. | 3.5 | 78 |
| 52 | Granule Formation Mechanisms within an Aerobic Wastewater System for Phosphorus Removal. <i>Applied and Environmental Microbiology</i> , 2010, 76, 7588-7597. | 3.1 | 76 |
| 53 | Non-antibiotic pharmaceuticals promote the transmission of multidrug resistance plasmids through intra- and intergenera conjugation. <i>ISME Journal</i> , 2021, 15, 2493-2508. | 9.8 | 76 |
| 54 | Triclosan at environmental concentrations can enhance the spread of extracellular antibiotic resistance genes through transformation. <i>Science of the Total Environment</i> , 2020, 713, 136621. | 8.0 | 75 |

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|----|---|------|-----------|
| 55 | Copper Oxide Nanoparticles Induce Lysogenic Bacteriophage and Metal-Resistance Genes in <i>Pseudomonas aeruginosa</i> PAO1. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22298-22307. | 8.0 | 72 |
| 56 | Microbial community proteomics: elucidating the catalysts and metabolic mechanisms that drive the Earth's biogeochemical cycles. <i>Current Opinion in Microbiology</i> , 2009, 12, 310-317. | 5.1 | 70 |
| 57 | Screening a wide host-range, waste-water metagenomic library in tryptophan auxotrophs of <i>Rhizobium leguminosarum</i> and of <i>Escherichia coli</i> reveals different classes of cloned <i>trp</i> genes. <i>Environmental Microbiology</i> , 2005, 7, 1927-1936. | 3.8 | 65 |
| 58 | High-Throughput Amplicon Sequencing Reveals Distinct Communities within a Corroding Concrete Sewer System. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7160-7162. | 3.1 | 64 |
| 59 | From lithotroph- to organotroph-dominant: directional shift of microbial community in sulphidic tailings during phytostabilization. <i>Scientific Reports</i> , 2015, 5, 12978. | 3.3 | 64 |
| 60 | Radiolabelled proteomics to determine differential functioning of <i>Accumulibacter</i> during the anaerobic and aerobic phases of a bioreactor operating for enhanced biological phosphorus removal. <i>Environmental Microbiology</i> , 2009, 11, 3029-3044. | 3.8 | 60 |
| 61 | Characterization of a nitrate-respiring bacterial community using the nitrate reductase gene (<i>narG</i>) as a functional marker. <i>Microbiology (United Kingdom)</i> , 2003, 149, 229-237. | 1.8 | 59 |
| 62 | Evidence for bacteriophage activity causing community and performance changes in a phosphorus-removal activated sludge. <i>FEMS Microbiology Ecology</i> , 2010, 74, 631-642. | 2.7 | 59 |
| 63 | Arsenic resistance in the archaeon " <i>Ferroplasma acidarmanus</i> ": new insights into the structure and evolution of the <i>ars</i> genes. <i>Extremophiles</i> , 2003, 7, 123-130. | 2.3 | 56 |
| 64 | Mechanisms of Persistence of the Ammonia-Oxidizing Bacteria <i>Nitrosomonas</i> to the Biocide Free Nitrous Acid. <i>Environmental Science & Technology</i> , 2018, 52, 5386-5397. | 10.0 | 52 |
| 65 | 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. | 11.3 | 51 |
| 66 | A novel and simple treatment for control of sulfide induced sewer concrete corrosion using free nitrous acid. <i>Water Research</i> , 2015, 70, 279-287. | 11.3 | 51 |
| 67 | Metagenomic and metaproteomic analyses of <i>Accumulibacter phosphatis</i> -enriched floccular and granular biofilm. <i>Environmental Microbiology</i> , 2016, 18, 273-287. | 3.8 | 51 |
| 68 | Biofilm development in the extremely acidophilic archaeon " <i>Ferroplasma acidarmanus</i> " TM Fer1. <i>Extremophiles</i> , 2010, 14, 485-491. | 2.3 | 49 |
| 69 | Determining Multiple Responses of <i>Pseudomonas aeruginosa</i> PAO1 to an Antimicrobial Agent, Free Nitrous Acid. <i>Environmental Science & Technology</i> , 2016, 50, 5305-5312. | 10.0 | 48 |
| 70 | Bacterial diversity in response to direct revegetation in the Pb-Zn-Cu tailings under subtropical and semi-arid conditions. <i>Ecological Engineering</i> , 2014, 68, 233-240. | 3.6 | 47 |
| 71 | Evaluation of data-driven models for predicting the service life of concrete sewer pipes subjected to corrosion. <i>Journal of Environmental Management</i> , 2019, 234, 431-439. | 7.8 | 47 |
| 72 | Physiological and transcriptomic analyses reveal CuO nanoparticle inhibition of anabolic and catabolic activities of sulfate-reducing bacterium. <i>Environment International</i> , 2019, 125, 65-74. | 10.0 | 46 |

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|----|--|------|-----------|
| 73 | Bioenergetic models for acetate and phosphate transport in bacteria important in enhanced biological phosphorus removal. <i>Environmental Microbiology</i> , 2008, 10, 87-98. | 3.8 | 45 |
| 74 | Anaerobic phosphate release from activated sludge with enhanced biological phosphorus removal. A possible mechanism of intracellular pH control. <i>Biotechnology and Bioengineering</i> , 1999, 63, 507-515. | 3.3 | 44 |
| 75 | Towards exposure of elusive metabolic mixed-culture processes: the application of metaproteomic analyses to activated sludge. <i>Water Science and Technology</i> , 2006, 54, 217-226. | 2.5 | 44 |
| 76 | Distinct microbially induced concrete corrosion at the tidal region of reinforced concrete sewers. <i>Water Research</i> , 2019, 150, 392-402. | 11.3 | 43 |
| 77 | Establishing microbial diversity and functions in weathered and neutral Cu-Pb-Zn tailings with native soil addition. <i>Geoderma</i> , 2015, 247-248, 108-116. | 5.1 | 41 |
| 78 | Evidence of differential adaptation to decreased temperature by anammox bacteria. <i>Environmental Microbiology</i> , 2018, 20, 3514-3528. | 3.8 | 39 |
| 79 | Pandemic pharmaceutical dosing effects on wastewater treatment: no adaptation of activated sludge bacteria to degrade the antiviral drug Oseltamivir (Tamiflu®) and loss of nutrient removal performance. <i>FEMS Microbiology Letters</i> , 2011, 315, 17-22. | 1.8 | 38 |
| 80 | Use of SWATH mass spectrometry for quantitative proteomic investigation of <i>Shewanella oneidensis</i> MR-1 biofilms grown on graphite cloth electrodes. <i>Systematic and Applied Microbiology</i> , 2015, 38, 135-139. | 2.8 | 36 |
| 81 | Corrosion of reinforcing steel in concrete sewers. <i>Science of the Total Environment</i> , 2019, 649, 739-748. | 8.0 | 35 |
| 82 | Prediction of concrete corrosion in sewers with hybrid Gaussian processes regression model. <i>RSC Advances</i> , 2017, 7, 30894-30903. | 3.6 | 34 |
| 83 | Increased Resistance of Nitrite-Admixed Concrete to Microbially Induced Corrosion in Real Sewers. <i>Environmental Science & Technology</i> , 2020, 54, 2323-2333. | 10.0 | 33 |
| 84 | A rapid, non-destructive methodology to monitor activity of sulfide-induced corrosion of concrete based on H ₂ S uptake rate. <i>Water Research</i> , 2014, 59, 229-238. | 11.3 | 32 |
| 85 | Antimicrobial Effects of Free Nitrous Acid on <i>Desulfovibrio vulgaris</i> : Implications for Sulfide-Induced Corrosion of Concrete. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5563-5575. | 3.1 | 30 |
| 86 | Effects of surface washing on the mitigation of concrete corrosion under sewer conditions. <i>Cement and Concrete Composites</i> , 2016, 68, 88-95. | 10.7 | 30 |
| 87 | The concentration-determined and population-specific antimicrobial effects of free nitrous acid on <i>Pseudomonas aeruginosa</i> PAO1. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2305-2312. | 3.6 | 29 |
| 88 | Silver nanoparticles stimulate the proliferation of sulfate reducing bacterium <i>Desulfovibrio vulgaris</i> . <i>Water Research</i> , 2018, 129, 163-171. | 11.3 | 29 |
| 89 | New insights of the bacterial response to exposure of differently sized silver nanomaterials. <i>Water Research</i> , 2020, 169, 115205. | 11.3 | 29 |
| 90 | Impact of fluctuations in gaseous H ₂ S concentrations on sulfide uptake by sewer concrete: The effect of high H ₂ S loads. <i>Water Research</i> , 2015, 81, 84-91. | 11.3 | 28 |

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|-----|--|------|-----------|
| 91 | 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. | 2.5 | 27 |
| 92 | Assessing the genetic diversity of Cu resistance in mine tailings through high-throughput recovery of full-length copA genes. <i>Scientific Reports</i> , 2015, 5, 13258. | 3.3 | 27 |
| 93 | Nitrite admixed concrete for wastewater structures: Mechanical properties, leaching behavior and biofilm development. <i>Construction and Building Materials</i> , 2020, 233, 117341. | 7.2 | 27 |
| 94 | Comparison of microbial communities across sections of a corroding sewer pipe and the effects of wastewater flooding. <i>Biofouling</i> , 2017, 33, 780-792. | 2.2 | 24 |
| 95 | Deciphering the electric code of <i>Geobacter sulfurreducens</i> in cocultures with <i>Pseudomonas aeruginosa</i> via SWATH-MS proteomics. <i>Bioelectrochemistry</i> , 2018, 119, 150-160. | 4.6 | 24 |
| 96 | Previously unclassified bacteria dominate during thermophilic and mesophilic anaerobic pre-treatment of primary sludge. <i>Systematic and Applied Microbiology</i> , 2013, 36, 281-290. | 2.8 | 22 |
| 97 | Effect of the anode potential on the physiology and proteome of <i>Shewanella oneidensis</i> MR-1. <i>Bioelectrochemistry</i> , 2018, 119, 172-179. | 4.6 | 22 |
| 98 | Structural Changes in Cell-Wall and Cell-Membrane Organic Materials Following Exposure to Free Nitrous Acid. <i>Environmental Science & Technology</i> , 2020, 54, 10301-10312. | 10.0 | 21 |
| 99 | First use of two-dimensional polyacrylamide gel electrophoresis to determine phylogenetic relationships. <i>Journal of Microbiological Methods</i> , 2004, 58, 297-302. | 1.6 | 19 |
| 100 | Towards determining details of anaerobic growth coupled to ferric iron reduction by the acidophilic archaeon <i>Ferroplasma acidarmanus</i> [™] Fer1. <i>Extremophiles</i> , 2007, 11, 159-168. | 2.3 | 19 |
| 101 | Bioelectrochemical reduction of an azo dye by a <i>Shewanella oneidensis</i> MR-1 formed biocathode. <i>International Biodeterioration and Biodegradation</i> , 2016, 115, 250-256. | 3.9 | 19 |
| 102 | Structural changes in model compounds of sludge extracellular polymeric substances caused by exposure to free nitrous acid. <i>Water Research</i> , 2021, 188, 116553. | 11.3 | 19 |
| 103 | Characterisation of enhanced biological phosphorus removal activated sludges with dissimilar phosphorus removal performances. <i>Water Science and Technology</i> , 1998, 37, 567-571. | 2.5 | 19 |
| 104 | Bio-P and non-bio-P bacteria identification by a novel microbial approach. <i>Water Science and Technology</i> , 1999, 39, 13. | 2.5 | 16 |
| 105 | Characterisation of enhanced biological phosphorus removal activated sludges with dissimilar phosphorus removal performances. <i>Water Science and Technology</i> , 1998, 37, 567. | 2.5 | 15 |
| 106 | Characterizing the premise plumbing microbiome in both water and biofilms of a 50-year-old building. <i>Science of the Total Environment</i> , 2021, 798, 149225. | 8.0 | 15 |
| 107 | Characterization of an ATP-dependent DNA ligase from the acidophilic archaeon <i>Ferroplasma acidarmanus</i> [™] Fer1. <i>Extremophiles</i> , 2007, 11, 315-327. | 2.3 | 13 |
| 108 | Data on metagenomic profiles of activated sludge from a full-scale wastewater treatment plant. <i>Data in Brief</i> , 2017, 15, 833-839. | 1.0 | 13 |

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|-----|--|------|-----------|
| 109 | A comparative proteomic analysis of <i>Desulfovibrio vulgaris</i> Hildenborough in response to the antimicrobial agent free nitrous acid. <i>Science of the Total Environment</i> , 2019, 672, 625-633. | 8.0 | 13 |
| 110 | Reactive nitrogen species from free nitrous acid (FNA) cause cell lysis. <i>Water Research</i> , 2022, 217, 118401. | 11.3 | 13 |
| 111 | Further limitations of phylogenetic group-specific probes used for detection of bacteria in environmental samples. <i>ISME Journal</i> , 2010, 4, 959-961. | 9.8 | 12 |
| 112 | Periodic deprivation of gaseous hydrogen sulfide affects the activity of the concrete corrosion layer in sewers. <i>Water Research</i> , 2019, 157, 463-471. | 11.3 | 12 |
| 113 | Diversity of As Metabolism Functional Genes in Pb-Zn Mine Tailings. <i>Pedosphere</i> , 2017, 27, 630-637. | 4.0 | 11 |
| 114 | Synergistic effect on concrete corrosion control in sewer environment achieved by applying surface washing on calcium nitrite admixed concrete. <i>Construction and Building Materials</i> , 2021, 302, 124184. | 7.2 | 11 |
| 115 | Evidence of compositional differences between the extracellular and intracellular DNA of a granular sludge biofilm. <i>Letters in Applied Microbiology</i> , 2011, 53, 1-7. | 2.2 | 10 |
| 116 | Free sulfurous acid (FSA) inhibition of biological thiosulfate reduction (BTR) in the sulfur cycle-driven wastewater treatment process. <i>Chemosphere</i> , 2017, 176, 212-220. | 8.2 | 10 |
| 117 | Corrosion mitigation by nitrite spray on corroded concrete in a real sewer system. <i>Science of the Total Environment</i> , 2022, 806, 151328. | 8.0 | 10 |
| 118 | Evaluation of continuous and intermittent trickling strategies for the removal of hydrogen sulfide in a biotrickling filter. <i>Chemosphere</i> , 2022, 291, 132723. | 8.2 | 10 |
| 119 | Microbial community analysis during continuous fermentation of thermally hydrolysed waste activated sludge. <i>Water Science and Technology</i> , 2012, 65, 7-14. | 2.5 | 9 |
| 120 | Sequence-specific and DNA structure-dependent interactions of <i>Escherichia coli</i> MutS and human p53 with DNA. <i>Analytical Biochemistry</i> , 2013, 442, 51-61. | 2.4 | 9 |
| 121 | Improved degradation of anaerobically digested sludge during post aerobic digestion using ultrasonic pretreatment. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 857-864. | 2.4 | 8 |
| 122 | Bio-P and non-bio-P bacteria identification by a novel microbial approach. <i>Water Science and Technology</i> , 1999, 39, 13-20. | 2.5 | 8 |
| 123 | Molecular diversity of arbuscular mycorrhizal fungal communities across the gradient of alkaline Fe ore tailings, revegetated waste rock to natural soil sites. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11968-11979. | 5.3 | 7 |
| 124 | Adaptive Evolution of <i>Geobacter sulfurreducens</i> in Coculture with <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2020, 11, . | 4.1 | 5 |
| 125 | Enhanced Growth of Pilin-Deficient <i>Geobacter sulfurreducens</i> Mutants in Carbon Poor and Electron Donor Limiting Conditions. <i>Microbial Ecology</i> , 2019, 78, 618-630. | 2.8 | 1 |
| 126 | Engineering biological nitrogen removal in wastewater treatment via the control of nitrite oxidising bacteria using free nitrous acid. <i>Microbiology Australia</i> , 2018, 39, 47. | 0.4 | 0 |