

Trevor C Charles

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

5,310
citations

36
h-index

71
g-index

134
ext. papers

6,706
ext. citations

5.2
avg, IF

5.56
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 123 | Driving factors influencing the rhizobacteriome community structure of plants adapted to multiple climatic stressors in edaphic savannas. <i>Science of the Total Environment</i> , 2021 , 769, 145214 | 10.2 | 6 |
| 122 | Development of Microbiome Biobanks - Challenges and Opportunities. <i>Trends in Microbiology</i> , 2021 , 29, 89-92 | 12.4 | 12 |
| 121 | Impacts on International Research Collaborations from DSI/ABS Uncertainty. <i>Trends in Biotechnology</i> , 2021 , 39, 430-433 | 15.1 | |
| 120 | Genome Sequence of <i>Brevundimonas</i> sp., an Arsenic Resistant Soil Bacterium. <i>Diversity</i> , 2021 , 13, 344 | 2.5 | 4 |
| 119 | Sequence polarity between the promoter and the adjacent gene modulates promoter activity. <i>Plasmid</i> , 2021 , 117, 102598 | 3.3 | 0 |
| 118 | Metagenome-Assembled Genome Sequences of Five Strains from the (Prairie Vole) Fecal Microbiome. <i>Microbiology Resource Announcements</i> , 2020 , 9, | 1.3 | 2 |
| 117 | Time Series Resolution of the Fish Necrobiome Reveals a Decomposer Succession Involving Toxigenic Bacterial Pathogens. <i>MSystems</i> , 2020 , 5, | 7.6 | 5 |
| 116 | Lactic acid containing polymers produced in engineered <i>Sinorhizobium meliloti</i> and <i>Pseudomonas putida</i> . <i>PLoS ONE</i> , 2020 , 15, e0218302 | 3.7 | 9 |
| 115 | Isolation and Identification of Endophytic Bacteria from Mycorrhizal Tissues of Terrestrial Orchids from Southern Chile. <i>Diversity</i> , 2020 , 12, 55 | 2.5 | 12 |
| 114 | Microbiome definition re-visited: old concepts and new challenges. <i>Microbiome</i> , 2020 , 8, 103 | 16.6 | 271 |
| 113 | Unraveling a Tangled Skein: Evolutionary Analysis of the Bacterial Gibberellin Biosynthetic Operon. <i>MSphere</i> , 2020 , 5, | 5 | 4 |
| 112 | Fungal and Bacterial Microbiome Associated with the Rhizosphere of Native Plants from the Atacama Desert. <i>Microorganisms</i> , 2020 , 8, | 4.9 | 18 |
| 111 | Slr4, a newly identified S-layer protein from marine Gammaproteobacteria, is a major biofilm matrix component. <i>Molecular Microbiology</i> , 2020 , 114, 979-990 | 4.1 | 1 |
| 110 | Dynamics of microbial populations and diversity in NAPL contaminated peat soil under varying water table conditions. <i>Environmental Research</i> , 2020 , 191, 110167 | 7.9 | 8 |
| 109 | Lactic acid containing polymers produced in engineered <i>Sinorhizobium meliloti</i> and <i>Pseudomonas putida</i> 2020 , 15, e0218302 | | |
| 108 | Lactic acid containing polymers produced in engineered <i>Sinorhizobium meliloti</i> and <i>Pseudomonas putida</i> 2020 , 15, e0218302 | | |
| 107 | Lactic acid containing polymers produced in engineered <i>Sinorhizobium meliloti</i> and <i>Pseudomonas putida</i> 2020 , 15, e0218302 | | |

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|-----|---|------|------|
| 106 | Lactic acid containing polymers produced in engineered <i>Sinorhizobium meliloti</i> and <i>Pseudomonas putida</i> 2020 , 15, e0218302 | | |
| 105 | Lactic acid containing polymers produced in engineered <i>Sinorhizobium meliloti</i> and <i>Pseudomonas putida</i> 2020 , 15, e0218302 | | |
| 104 | Lactic acid containing polymers produced in engineered <i>Sinorhizobium meliloti</i> and <i>Pseudomonas putida</i> 2020 , 15, e0218302 | | |
| 103 | Enhanced Arsenic Tolerance in Inoculated with Arsenic-Resistant and Plant Growth Promoter Microorganisms from a Heavy Metal-Polluted Soil. <i>Microorganisms</i> , 2019 , 7, | 4.9 | 17 |
| 102 | Designer <i>Sinorhizobium meliloti</i> strains and multi-functional vectors enable direct inter-kingdom DNA transfer. <i>PLoS ONE</i> , 2019 , 14, e0206781 | 3.7 | 12 |
| 101 | Does a carbonatite deposit influence its surrounding ecosystem?. <i>Facets</i> , 2019 , 4, 389-406 | 2.3 | 2 |
| 100 | An engineered GFP fluorescent bacterial biosensor for detecting and quantifying silver and copper ions. <i>BioMetals</i> , 2019 , 32, 265-272 | 3.4 | 6 |
| 99 | Developing a System for Function-Based Screening of DNA from the Human Gut Microbiome. <i>MSystems</i> , 2018 , 3, | 7.6 | 4 |
| 98 | Methods for the Isolation of Genes Encoding Novel PHA Metabolism Enzymes from Complex Microbial Communities. <i>Methods in Molecular Biology</i> , 2017 , 1539, 237-248 | 1.4 | 1 |
| 97 | A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017 , 551, 457-463 | 50.4 | 1076 |
| 96 | Endophytic Phytohormones and Their Role in Plant Growth Promotion 2017 , 89-105 | | 18 |
| 95 | Metagenomic Cosmid Libraries Suitable for Functional Screening in Proteobacteria 2017 , 1-11 | | 1 |
| 94 | Synthesis and Physical Properties of Polyhydroxyalkanoate Polymers with Different Monomer Compositions by Recombinant <i>Pseudomonas putida</i> LS46 Expressing a Novel PHA SYNTHASE (PhaC116) Enzyme. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 242 | 2.6 | 35 |
| 93 | The Completed PacBio Single-Molecule Real-Time Sequence of Strain OB3b Reveals the Presence of a Third Large Plasmid. <i>Genome Announcements</i> , 2017 , 5, | | 3 |
| 92 | Discovery of a proteolytic flagellin family in diverse bacterial phyla that assembles enzymatically active flagella. <i>Nature Communications</i> , 2017 , 8, 521 | 17.4 | 27 |
| 91 | Transcriptome Analysis of Polyhydroxybutyrate Cycle Mutants Reveals Discrete Loci Connecting Nitrogen Utilization and Carbon Storage in. <i>MSystems</i> , 2017 , 2, | 7.6 | 10 |
| 90 | Elucidation of gibberellin biosynthesis in bacteria reveals convergent evolution. <i>Nature Chemical Biology</i> , 2017 , 13, 69-74 | 11.7 | 68 |
| 89 | Functional metagenomics reveals novel β -galactosidases not predictable from gene sequences. <i>PLoS ONE</i> , 2017 , 12, e0172545 | 3.7 | 29 |

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|----|--|------|-----|
| 88 | Engineering of Escherichia coli for direct and modulated biosynthesis of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) copolymer using unrelated carbon sources. <i>Scientific Reports</i> , 2016 , 6, 36470 | 4.9 | 18 |
| 87 | Novel polyhydroxyalkanoate copolymers produced in Pseudomonas putida by metagenomic polyhydroxyalkanoate synthases. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 7611-27 | 5.7 | 12 |
| 86 | An analysis of the validity and utility of the proximon proposition. <i>Functional and Integrative Genomics</i> , 2016 , 16, 215-20 | 3.8 | 2 |
| 85 | Genome-engineered Sinorhizobium meliloti for the production of poly(lactic-co-3-hydroxybutyric) acid copolymer. <i>Canadian Journal of Microbiology</i> , 2016 , 62, 130-8 | 3.2 | 10 |
| 84 | Metagenomic Approaches to Identify Novel Organisms from the Soil Environment in a Classroom Setting. <i>Journal of Microbiology and Biology Education</i> , 2016 , 17, 423-429 | 1.3 | 2 |
| 83 | Strong spurious transcription likely contributes to DNA insert bias in typical metagenomic clone libraries. <i>Microbiome</i> , 2015 , 3, 22 | 16.6 | 14 |
| 82 | Current and future resources for functional metagenomics. <i>Frontiers in Microbiology</i> , 2015 , 6, 1196 | 5.7 | 81 |
| 81 | A bioinformatics approach to the determination of genes involved in endophytic behavior in Burkholderia spp. <i>Journal of Theoretical Biology</i> , 2014 , 343, 193-8 | 2.3 | 97 |
| 80 | Amelioration of high salinity stress damage by plant growth-promoting bacterial endophytes that contain ACC deaminase. <i>Plant Physiology and Biochemistry</i> , 2014 , 80, 160-7 | 5.4 | 336 |
| 79 | Versatile broad-host-range cosmids for construction of high quality metagenomic libraries. <i>Journal of Microbiological Methods</i> , 2014 , 99, 27-34 | 2.8 | 37 |
| 78 | Evaluation of a pooled strategy for high-throughput sequencing of cosmid clones from metagenomic libraries. <i>PLoS ONE</i> , 2014 , 9, e98968 | 3.7 | 12 |
| 77 | Multisubstrate isotope labeling and metagenomic analysis of active soil bacterial communities. <i>MBio</i> , 2014 , 5, e01157-14 | 7.8 | 89 |
| 76 | MetaProx: the database of metagenomic proximons. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014, | 5 | 6 |
| 75 | Members of the Sinorhizobium meliloti ChvI regulon identified by a DNA binding screen. <i>BMC Microbiology</i> , 2013 , 13, 132 | 4.5 | 11 |
| 74 | Meeting report: 1st international functional metagenomics workshop may 7-8, 2012, st. Jacobs, ontario, Canada. <i>Standards in Genomic Sciences</i> , 2013 , 8, 106-11 | | 2 |
| 73 | Delay of flower senescence by bacterial endophytes expressing 1-aminocyclopropane-1-carboxylate deaminase. <i>Journal of Applied Microbiology</i> , 2012 , 113, 1139-44 | 4.7 | 102 |
| 72 | Nonlinear electrophoresis for purification of soil DNA for metagenomics. <i>Journal of Microbiological Methods</i> , 2012 , 88, 35-40 | 2.8 | 28 |
| 71 | Isolation and characterization of new plant growth-promoting bacterial endophytes. <i>Applied Soil Ecology</i> , 2012 , 61, 217-224 | 5 | 218 |

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|----|---|-----|-----|
| 70 | Site-specific bacterial chromosome engineering: λ 31 integrase mediated cassette exchange (IMCE). <i>Journal of Visualized Experiments</i> , 2012 , | 1.6 | 9 |
| 69 | The fluorescence theatre: a cost-effective device using theatre gels for fluorescent protein and dye screening. <i>Canadian Journal of Microbiology</i> , 2011 , 57, 339-42 | 3.2 | 3 |
| 68 | ACC deaminase activity in avirulent <i>Agrobacterium tumefaciens</i> D3. <i>Canadian Journal of Microbiology</i> , 2011 , 57, 278-86 | 3.2 | 33 |
| 67 | Open resource metagenomics: a model for sharing metagenomic libraries. <i>Standards in Genomic Sciences</i> , 2011 , 5, 203-10 | | 16 |
| 66 | Harvesting of novel polyhydroxyalkanoate (PHA) synthase encoding genes from a soil metagenome library using phenotypic screening. <i>FEMS Microbiology Letters</i> , 2011 , 321, 150-6 | 2.9 | 29 |
| 65 | ACC deaminase increases the <i>Agrobacterium tumefaciens</i> -mediated transformation frequency of commercial canola cultivars. <i>FEMS Microbiology Letters</i> , 2010 , 307, 185-90 | 2.9 | 17 |
| 64 | Identification and characterization of new LuxR/LuxI-type quorum sensing systems from metagenomic libraries. <i>Environmental Microbiology</i> , 2010 , 12, 105-17 | 5.2 | 46 |
| 63 | Methods for the isolation of genes encoding novel PHB cycle enzymes from complex microbial communities. <i>Methods in Molecular Biology</i> , 2010 , 668, 235-46 | 1.4 | 4 |
| 62 | <i>Sinorhizobium meliloti</i> 1021 loss-of-function deletion mutation in <i>chvI</i> and its phenotypic characteristics. <i>Molecular Plant-Microbe Interactions</i> , 2010 , 23, 153-60 | 3.6 | 28 |
| 61 | Identification and characterization of the intracellular poly-3-hydroxybutyrate depolymerase enzyme PhaZ of <i>Sinorhizobium meliloti</i> . <i>BMC Microbiology</i> , 2010 , 10, 92 | 4.5 | 12 |
| 60 | Evaluation of Bacterial Community Structure and Its Influence on Sulfide Oxidation in a Bio-Leaching Environment. <i>Geomicrobiology Journal</i> , 2009 , 26, 44-54 | 2.5 | 2 |
| 59 | The class IId bacteriocin thuricin-17 increases plant growth. <i>Planta</i> , 2009 , 229, 747-55 | 4.7 | 66 |
| 58 | 1-aminocyclopropane-1-carboxylate (ACC) deaminase genes in rhizobia from southern Saskatchewan. <i>Microbial Ecology</i> , 2009 , 57, 423-36 | 4.4 | 143 |
| 57 | Null mutations in <i>Sinorhizobium meliloti</i> <i>exoS</i> and <i>chvI</i> demonstrate the importance of this two-component regulatory system for symbiosis. <i>Molecular Microbiology</i> , 2009 , 74, 1223-37 | 4.1 | 41 |
| 56 | Mutational analysis of the <i>Sinorhizobium meliloti</i> short-chain dehydrogenase/reductase family reveals substantial contribution to symbiosis and catabolic diversity. <i>Molecular Plant-Microbe Interactions</i> , 2008 , 21, 979-87 | 3.6 | 23 |
| 55 | Influence of the poly-3-hydroxybutyrate (PHB) granule-associated proteins (PhaP1 and PhaP2) on PHB accumulation and symbiotic nitrogen fixation in <i>Sinorhizobium meliloti</i> Rm1021. <i>Journal of Bacteriology</i> , 2007 , 189, 9050-6 | 3.5 | 36 |
| 54 | Presence of a novel 16S-23S rRNA gene intergenic spacer insert in <i>Bradyrhizobium canariense</i> strains. <i>FEMS Microbiology Letters</i> , 2007 , 269, 207-12 | 2.9 | 7 |
| 53 | Roles of poly-3-hydroxybutyrate (PHB) and glycogen in symbiosis of <i>Sinorhizobium meliloti</i> with <i>Medicago</i> sp. <i>Microbiology (United Kingdom)</i> , 2007 , 153, 388-398 | 2.9 | 50 |

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| 52 | ACC deaminase from plant growth-promoting bacteria affects crown gall development. <i>Canadian Journal of Microbiology</i> , 2007 , 53, 1291-9 | 3.2 | 57 |
| 51 | The role of PHB metabolism in the symbiosis of rhizobia with legumes. <i>Applied Microbiology and Biotechnology</i> , 2006 , 71, 377-86 | 5.7 | 115 |
| 50 | Isolation of poly-3-hydroxybutyrate metabolism genes from complex microbial communities by phenotypic complementation of bacterial mutants. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 384-91 | 4.8 | 57 |
| 49 | Effects of nitrogen and phosphorus limitation on the activated sludge biomass in a kraft mill biotreatment system. <i>Water Environment Research</i> , 2006 , 78, 2303-10 | 2.8 | 12 |
| 48 | A novel bacteriocin, thuricin 17, produced by plant growth promoting rhizobacteria strain <i>Bacillus thuringiensis</i> NEB17: isolation and classification. <i>Journal of Applied Microbiology</i> , 2006 , 100, 545-54 | 4.7 | 107 |
| 47 | Comparison of the symbiotic and competition phenotypes of <i>Sinorhizobium meliloti</i> PHB synthesis and degradation pathway mutants. <i>Canadian Journal of Microbiology</i> , 2005 , 51, 599-604 | 3.2 | 27 |
| 46 | Characterization of <i>bdhA</i> , encoding the enzyme D-3-hydroxybutyrate dehydrogenase, from <i>Sinorhizobium</i> sp. strain NGR234. <i>FEMS Microbiology Letters</i> , 2005 , 242, 87-94 | 2.9 | 8 |
| 45 | NodMutDB: a database for genes and mutants involved in symbiosis. <i>Bioinformatics</i> , 2005 , 21, 2927-9 | 7.2 | 20 |
| 44 | Functional Analysis of Genes of Unknown Functions in <i>Sinorhizobium meliloti</i> 1021 2005 , 115-118 | | |
| 43 | Functional Genomic Analysis of the SDR Family in <i>Sinorhizobium meliloti</i> 2005 , 129-130 | | |
| 42 | Further Investigation of the Roles of Poly-3-Hydroxybutyrate (PHB) and Glycogen in <i>Sinorhizobium meliloti</i> - <i>Medicago</i> SP. <i>Symbiosis</i> 2005 , 311-312 | | |
| 41 | Expression of an exogenous 1-aminocyclopropane-1-carboxylate deaminase gene in <i>Sinorhizobium meliloti</i> increases its ability to nodulate alfalfa. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 5891-4.8 | | 154 |
| 40 | Heterologous complementation of the exopolysaccharide synthesis and carbon utilization phenotypes of <i>Sinorhizobium meliloti</i> Rm1021 polyhydroxyalkanoate synthesis mutants. <i>FEMS Microbiology Letters</i> , 2004 , 239, 277-83 | 2.9 | 37 |
| 39 | Growth and nodulation competitiveness of poly(3-hydroxybutyrate) metabolism mutants of <i>Sinorhizobium meliloti</i> and effects of exogenous biotin. <i>Chinese Journal of Agricultural Biotechnology</i> , 2004 , 1, 93-98 | | |
| 38 | Application of crossover-PCR-mediated deletion-insertion mutagenesis to analysis of the <i>bdhA-xdhA2-xdhB2</i> mixed-function operon of <i>Sinorhizobium meliloti</i> . <i>Archives of Microbiology</i> , 2003 , 179, 301-4 | 3 | 21 |
| 37 | Purification and characterization of homodimeric methylmalonyl-CoA mutase from <i>Sinorhizobium meliloti</i> . <i>Archives of Microbiology</i> , 2003 , 180, 151-4 | 3 | 13 |
| 36 | Low temperature tolerant <i>Bradyrhizobium japonicum</i> strains allowing improved nodulation and nitrogen fixation of soybean in a short season (cool spring) area. <i>European Journal of Agronomy</i> , 2003 , 19, 205-213 | 5 | 42 |
| 35 | Effect of experimental contamination with the explosive hexahydro-1,3,5-trinitro-1,3,5-triazine on soil bacterial communities. <i>FEMS Microbiology Ecology</i> , 2003 , 43, 255-62 | 4.3 | 15 |

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|----|---|------|-----|
| 34 | Low Temperature-tolerant Bradyrhizobium japonicum Strains Allowing Improved Soybean Yield in Short-Season Areas. <i>Agronomy Journal</i> , 2002 , 94, 870-875 | 2.2 | 7 |
| 33 | Identification of an acetoacetyl coenzyme A synthetase-dependent pathway for utilization of L-(+)-3-hydroxybutyrate in Sinorhizobium meliloti. <i>Journal of Bacteriology</i> , 2002 , 184, 1571-7 | 3.5 | 23 |
| 32 | A global pH sensor: Agrobacterium sensor protein ChvG regulates acid-inducible genes on its two chromosomes and Ti plasmid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 12369-74 | 11.5 | 90 |
| 31 | Bradyrhizobium japonicum mutants allowing improved nodulation and nitrogen fixation of field-grown soybean in a short season area. <i>Journal of Agricultural Science</i> , 2002 , 138, 293-300 | 1 | 15 |
| 30 | The effect of temperature and genistein concentration on lipo-chitooligosaccharide (LCO) production by wild-type and mutant strains of Bradyrhizobium japonicum. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 1175-1180 | 7.5 | 24 |
| 29 | Co-inoculation dose and root zone temperature for plant growth promoting rhizobacteria on soybean [Glycine max (L.) Merr] grown in soil-less media. <i>Soil Biology and Biochemistry</i> , 2002 , 34, 1953-1957 | 7.5 | 49 |
| 28 | Bradyrhizobium japonicum Mutants Allowing Improved Soybean Yield in Short Season Areas with Cool Spring Soil Temperatures. <i>Crop Science</i> , 2002 , 42, 1186-1190 | 2.4 | 3 |
| 27 | Low Temperature-tolerant Bradyrhizobium japonicum Strains Allowing Improved Soybean Yield in Short-Season Areas. <i>Agronomy Journal</i> , 2002 , 94, 870 | 2.2 | 5 |
| 26 | Genetic transformation of Trametes versicolor to phleomycin resistance with the dominant selectable marker shble. <i>Applied Microbiology and Biotechnology</i> , 2001 , 56, 201-4 | 5.7 | 22 |
| 25 | Cellobiose dehydrogenase is essential for wood invasion and nonessential for kraft pulp delignification by Trametes versicolor. <i>Enzyme and Microbial Technology</i> , 2001 , 29, 478-489 | 3.8 | 61 |
| 24 | The chvH locus of Agrobacterium encodes a homologue of an elongation factor involved in protein synthesis. <i>Journal of Bacteriology</i> , 2001 , 183, 36-45 | 3.5 | 36 |
| 23 | Bradyrhizobium japonicum mutants with enhanced sensitivity to genistein resulting in altered nod gene regulation. <i>Molecular Plant-Microbe Interactions</i> , 2001 , 14, 1404-10 | 3.6 | 7 |
| 22 | Sinorhizobium meliloti strain 1021 bioS and bdhA gene transcriptions are both affected by biotin available in defined medium. <i>FEMS Microbiology Letters</i> , 2000 , 182, 41-4 | 2.9 | 14 |
| 21 | An ACC deaminase minus mutant of Enterobacter cloacae UW4 no longer promotes root elongation. <i>Current Microbiology</i> , 2000 , 41, 101-5 | 2.4 | 184 |
| 20 | Requirement for the enzymes acetoacetyl coenzyme A synthetase and poly-3-hydroxybutyrate (PHB) synthase for growth of Sinorhizobium meliloti on PHB cycle intermediates. <i>Journal of Bacteriology</i> , 2000 , 182, 2113-8 | 3.5 | 39 |
| 19 | Methylmalonyl-CoA mutase encoding gene of Sinorhizobium meliloti. <i>Gene</i> , 1999 , 226, 121-7 | 3.8 | 22 |
| 18 | Cloning and sequencing of a gene encoding cellobiose dehydrogenase from Trametes versicolor. <i>Gene</i> , 1998 , 210, 211-9 | 3.8 | 45 |
| 17 | Discrete regions of the sensor protein virA determine the strain-specific ability of Agrobacterium to agroinfect maize. <i>Molecular Plant-Microbe Interactions</i> , 1997 , 10, 221-7 | 3.6 | 24 |

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|----|---|---------|-----|
| 16 | Megaplasmid and chromosomal loci for the PHB degradation pathway in Rhizobium (Sinorhizobium) meliloti. <i>Genetics</i> , 1997 , 146, 1211-20 | 4 | 46 |
| 15 | Inhibition of the expression of Bradyrhizobium japonicum nod genes at low temperatures. <i>Soil Biology and Biochemistry</i> , 1996 , 28, 1579-1583 | 7.5 | 34 |
| 14 | A chromosomally encoded two-component sensory transduction system is required for virulence of Agrobacterium tumefaciens. <i>Journal of Bacteriology</i> , 1993 , 175, 6614-25 | 3.5 | 156 |
| 13 | Preformed dimeric state of the sensor protein VirA is involved in plant-Agrobacterium signal transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 9939-43 | 11.5 | 65 |
| 12 | Two-component sensory transduction systems in phytobacteria. <i>Annual Review of Phytopathology</i> , 1992 , 30, 463-84 | 10.8 | 47 |
| 11 | The ntrA gene of Agrobacterium tumefaciens: identification, cloning, and phenotype of a site-directed mutant. <i>Journal of Bacteriology</i> , 1992 , 174, 2720-3 | 3.5 | 12 |
| 10 | ndvF, a novel locus located on megaplasmid pRmeSU47b (pEXO) of Rhizobium meliloti, is required for normal nodule development. <i>Journal of Bacteriology</i> , 1991 , 173, 3981-92 | 3.5 | 32 |
| 9 | Genetic map of Rhizobium meliloti megaplasmid pRmeSU47b. <i>Journal of Bacteriology</i> , 1990 , 172, 2469-76 | 6.5 | 57 |
| 8 | Lactose utilization and enzymes encoded by megaplasms in Rhizobium meliloti SU47: implications for population studies. <i>Journal of General Microbiology</i> , 1990 , 136, 2497-2502 | | 17 |
| 7 | Analysis of C4-dicarboxylate transport genes in Rhizobium meliloti. <i>Molecular Microbiology</i> , 1989 , 3, 813-23 | 4.3 | 123 |
| 6 | Ti Plasmid and Chromosomally Encoded Two-Component Systems Important in Plant Cell Transformation by Agrobacterium Species | 367-385 | 30 |
| 5 | Lactic Acid Containing Polymers Produced in Engineered Sinorhizobium meliloti and Pseudomonas putida | | 1 |
| 4 | Sinorhizobium meliloti strain 1021 bioS and bdhA gene transcriptions are both affected by biotin available in defined medium | | 1 |
| 3 | Development of a GFP Fluorescent Bacterial Biosensor for the Detection and Quantification of Silver and Copper Ions | | 1 |
| 2 | Stable Isotope Probing and Metagenomics | 97-114 | |
| 1 | Alcov: Estimating Variant of Concern Abundance from SARS-CoV-2 Wastewater Sequencing Data | | 2 |