

T M Finan

List of Publications by Year in descending order

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42
papers

4,895
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172457

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40
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43
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43
docs citations

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times ranked

2590
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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The Composite Genome of the Legume Symbiont <i>Sinorhizobium meliloti</i> . <i>Science</i> , 2001, 293, 668-672. | 12.6 | 1,098 |
| 2 | Second symbiotic megaplasmid in <i>Rhizobium meliloti</i> carrying exopolysaccharide and thiamine synthesis genes. <i>Journal of Bacteriology</i> , 1986, 167, 66-72. | 2.2 | 589 |
| 3 | Symbiotic mutants of <i>rhizobium meliloti</i> that uncouple plant from bacterial differentiation. <i>Cell</i> , 1985, 40, 869-877. | 28.9 | 348 |
| 4 | The complete sequence of the 1,683-kb pSymb megaplasmid from the N ₂ -fixing endosymbiont <i>Sinorhizobium meliloti</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9889-9894. | 7.1 | 282 |
| 5 | General transduction in <i>Rhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 1984, 159, 120-124. | 2.2 | 274 |
| 6 | Symbiotic properties of C4-dicarboxylic acid transport mutants of <i>Rhizobium leguminosarum</i> . <i>Journal of Bacteriology</i> , 1983, 154, 1403-1413. | 2.2 | 189 |
| 7 | The regulator gene <i>phoB</i> mediates phosphate stress-controlled synthesis of the membrane lipid diacylglycerolâ€N, N, N-trimethylhomoserine in <i>Rhizobium</i> (<i>Sinorhizobium</i>) <i>meliloti</i> . <i>Molecular Microbiology</i> , 1999, 32, 63-73. | 2.5 | 138 |
| 8 | Analysis of C4-dicarboxylate transport genes in <i>Rhizobium meliloti</i> . <i>Molecular Microbiology</i> , 1989, 3, 813-823. | 2.5 | 137 |
| 9 | Analysis of a 1600-kilobase <i>Rhizobium meliloti</i> megaplasmid using defined deletions generated in vivo.. <i>Genetics</i> , 1991, 127, 5-20. | 2.9 | 132 |
| 10 | Mapping the <i>Sinorhizobium meliloti</i> 1021 solute-binding protein-dependent transportome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17933-17938. | 7.1 | 129 |
| 11 | Genome prediction of <i>PhoB</i> regulated promoters in <i>Sinorhizobium meliloti</i> and twelve proteobacteria. <i>Nucleic Acids Research</i> , 2006, 34, 2686-2697. | 14.5 | 122 |
| 12 | Mutants of <i>Rhizobium meliloti</i> defective in succinate metabolism. <i>Journal of Bacteriology</i> , 1988, 170, 3396-3403. | 2.2 | 119 |
| 13 | A phosphate transport system is required for symbiotic nitrogen fixation by <i>Rhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 1996, 178, 4540-4547. | 2.2 | 117 |
| 14 | Succinate transport in <i>Rhizobium leguminosarum</i> . <i>Journal of Bacteriology</i> , 1981, 148, 193-202. | 2.2 | 112 |
| 15 | NAD ⁺ -dependent malic enzyme of <i>Rhizobium meliloti</i> is required for symbiotic nitrogen fixation. <i>Molecular Microbiology</i> , 1993, 7, 865-873. | 2.5 | 104 |
| 16 | <i>Sinorhizobium meliloti</i> phospholipase C required for lipid remodeling during phosphorus limitation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 302-307. | 7.1 | 92 |
| 17 | Use of differential fluorescence induction and optical trapping to isolate environmentally induced genes. <i>Environmental Microbiology</i> , 2001, 3, 397-406. | 3.8 | 82 |
| 18 | Identification of <i>Rhizobium</i> -specific intergenic mosaic elements within an essential two-component regulatory system of <i>Rhizobium</i> species. <i>Journal of Bacteriology</i> , 1995, 177, 5485-5494. | 2.2 | 81 |

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|----|--|-----|-----------|
| 19 | Genetic map of Rhizobium meliloti megaplasmid pRmeSU47b. Journal of Bacteriology, 1990, 172, 2469-2476. | 2.2 | 67 |
| 20 | Molecular and expression analysis of the Rhizobium meliloti phosphoenolpyruvate carboxykinase (pckA) gene. Journal of Bacteriology, 1995, 177, 1452-1460. | 2.2 | 67 |
| 21 | Site-directed mutagenesis and DNA sequence of pckA of Rhizobium NGR234, encoding phosphoenolpyruvate carboxykinase: gluconeogenesis and host-dependent symbiotic phenotype. Molecular Genetics and Genomics, 1991, 230, 257-269. | 2.4 | 65 |
| 22 | Regulation of Phosphate Assimilation in Rhizobium (Sinorhizobium) meliloti. Genetics, 1998, 148, 1689-1700. | 2.9 | 64 |
| 23 | NADP ⁺ -dependent malic enzyme of Rhizobium meliloti. Journal of Bacteriology, 1996, 178, 2224-2231. | 2.2 | 55 |
| 24 | Characterization of the Rhizobium (Sinorhizobium) meliloti high- and low-affinity phosphate uptake systems. Journal of Bacteriology, 1997, 179, 7226-7232. | 2.2 | 45 |
| 25 | ndvF, a novel locus located on megaplasmid pRmeSU47b (pEXO) of Rhizobium meliloti, is required for normal nodule development. Journal of Bacteriology, 1991, 173, 3981-3992. | 2.2 | 39 |
| 26 | Characterization of two members of a novel malic enzyme class. BBA - Proteins and Proteomics, 1999, 1432, 275-285. | 2.1 | 35 |
| 27 | Second site mutations specifically suppress the Fix ⁻ phenotype of Rhizobium meliloti ndvF mutations on alfalfa: identification of a conditional ndvF-dependent mucoid colony phenotype.. Genetics, 1994, 136, 1233-1243. | 2.9 | 34 |
| 28 | Phosphate Assimilation in Rhizobium (Sinorhizobium) meliloti : Identification of a pit -Like Gene. Journal of Bacteriology, 1998, 180, 4219-4226. | 2.2 | 33 |
| 29 | Chimeric Structure of the NAD(P) ⁺ - and NADP ⁺ -dependent Malic Enzymes of Rhizobium (Sinorhizobium) meliloti. Journal of Biological Chemistry, 1998, 273, 9330-9336. | 3.4 | 32 |
| 30 | Monoclonal antibodies to Rhizobium meliloti and surface mutants insensitive to them. Journal of Bacteriology, 1984, 160, 454-457. | 2.2 | 32 |
| 31 | Symbiotic nitrogen fixation by a nifA deletion mutant of Rhizobium meliloti: the role of an unusual ntrC allele. Journal of Bacteriology, 1993, 175, 2662-2673. | 2.2 | 27 |
| 32 | Host-dependent transposon Tn5-mediated streptomycin resistance. Journal of Bacteriology, 1984, 159, 395-399. | 2.2 | 26 |
| 33 | Genetic and physical analyses of group E exo- mutants of Rhizobium meliloti. Journal of Bacteriology, 1988, 170, 474-477. | 2.2 | 24 |
| 34 | oriT-Directed Cloning of Defined Large Regions from Bacterial Genomes: Identification of the Sinorhizobium meliloti pExo Megaplasmid Replicator Region. Journal of Bacteriology, 2000, 182, 5486-5494. | 2.2 | 23 |
| 35 | Cloning and characterization of the pyruvate carboxylase from Sinorhizobium meliloti Rm1021. Archives of Microbiology, 2001, 176, 355-363. | 2.2 | 23 |
| 36 | Lactose utilization and enzymes encoded by megaplasms in Rhizobium meliloti SU47: implications for population studies. Journal of General Microbiology, 1990, 136, 2497-2502. | 2.3 | 18 |

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|----|---|-----|-----------|
| 37 | Negative regulation of sigma 54-dependent <i>dctA</i> expression by the transcriptional activator DctD. <i>Journal of Bacteriology</i> , 1993, 175, 2674-2681. | 2.2 | 14 |
| 38 | Similarity between the <i>Rhizobium meliloti</i> <i>flip</i> gene and pathogenicity-associated genes from animal and plant pathogens. <i>Gene</i> , 1995, 152, 65-67. | 2.2 | 12 |
| 39 | Genetic Analysis of Mutations Affecting <i>pckA</i> Regulation in <i>Rhizobium</i> (<i>Sinorhizobium</i>) <i>meliloti</i> . <i>Genetics</i> , 1997, 147, 1521-1531. | 2.9 | 12 |
| 40 | Carbon Metabolism and Symbiotic Needs of Root Nodule Bacteria. , 2000, , 359-364. | | 1 |
| 41 | Hybrid Structures of Malic Enzymes from <i>Rhizobium meliloti</i> . <i>Current Plant Science and Biotechnology in Agriculture</i> , 1998, , 463-464. | 0.0 | 0 |
| 42 | Functional Analysis of Genes of Unknown Functions in <i>Sinorhizobium meliloti</i> 1021. , 2005, , 115-118. | | 0 |