

Michael L Kahn

List of Publications by Year in descending order

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40
papers

2,099
citations

430874

18
h-index

315739

38
g-index

41
all docs

41
docs citations

41
times ranked

1960
citing authors

#	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	Dicarboxylate transport by rhizobia. <i>FEMS Microbiology Reviews</i> , 2004, 28, 489-501.	8.6	109
3	New Recombination Methods for <i>Sinorhizobium meliloti</i> Genetics. <i>Applied and Environmental Microbiology</i> , 2004, 70, 2806-2815.	3.1	84
4	A Model of Nutrient Exchange in the Rhizobium-Legume Symbiosis. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1985, , 193-199.	0.0	84
5	Phosphorus uptake by bean nodules. <i>Plant and Soil</i> , 1998, 198, 71-78.	3.7	56
6	Glutamine synthetase II in <i>Rhizobium</i> : Reexamination of the proposed horizontal transfer of DNA from eukaryotes to prokaryotes. <i>Journal of Molecular Evolution</i> , 1989, 29, 422-428.	1.8	54
7	Regulatory and DNA Repair Genes Contribute to the Desiccation Resistance of <i>Sinorhizobium meliloti</i> Rm1021. <i>Applied and Environmental Microbiology</i> , 2009, 75, 446-453.	3.1	45
8	Development of a Functional Genomics Platform for <i>Sinorhizobium meliloti</i> : Construction of an ORFeome. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5858-5864.	3.1	40
9	Isolation and analysis of a cDNA clone that encodes an alfalfa (<i>Medicago sativa</i>) aspartate aminotransferase. <i>Molecular Genetics and Genomics</i> , 1991, 231, 97-105.	2.4	35
10	New Substrates for the Dicarboxylate Transport System of <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2000, 182, 4216-4221.	2.2	34
11	<i>Sinorhizobium meliloti</i> <i>dctA</i> Mutants with Partial Ability To Transport Dicarboxylic Acids. <i>Journal of Bacteriology</i> , 2005, 187, 1161-1172.	2.2	34
12	Characterization of Tn <i>5</i> -Induced Mutants of <i>Xenorhabdus nematophilus</i> ATCC 19061. <i>Applied and Environmental Microbiology</i> , 1991, 57, 1173-1180.	3.1	32
13	Isolation and characterization of a cDNA encoding NADP ⁺ -specific isocitrate dehydrogenase from soybean (<i>Glycine max</i>). <i>Plant Molecular Biology</i> , 1993, 21, 739-752.	3.9	31
14	[11] Bacteriophage P2 and P4. <i>Methods in Enzymology</i> , 1991, 204, 264-280.	1.0	28
15	Transcriptome Analysis of the Role of GlnD/GlnBK in Nitrogen Stress Adaptation by <i>Sinorhizobium meliloti</i> Rm1021. <i>PLoS ONE</i> , 2013, 8, e58028.	2.5	26
16	A mutant GlnD nitrogen sensor protein leads to a nitrogen-fixing but ineffective <i>Sinorhizobium meliloti</i> symbiosis with alfalfa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18958-18963.	7.1	24
17	Citrate Synthase Mutants of <i>Sinorhizobium meliloti</i> Are Ineffective and Have Altered Cell Surface Polysaccharides. <i>Journal of Bacteriology</i> , 1999, 181, 7608-7613.	2.2	22
18	Carbon and Nitrogen Metabolism in Rhizobia. , 1998, , 461-485.		21

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19	A mass spectrometry method for measuring ¹⁵ N incorporation into pheophytin. <i>Analytical Biochemistry</i> , 2002, 307, 219-225.	2.4	20
20	GlnB/GlnK PII Proteins and Regulation of the <i>Sinorhizobium meliloti</i> Rm1021 Nitrogen Stress Response and Symbiotic Function. <i>Journal of Bacteriology</i> , 2010, 192, 2473-2481.	2.2	20
21	Pleiotropic effects of mutations that alter the <i>Sinorhizobium meliloti</i> cytochrome c respiratory system. <i>Microbiology (United Kingdom)</i> , 2007, 153, 399-410.	1.8	19
22	Cellular localization of nodule-enhanced aspartate aminotransferase in <i>Medicago sativa</i> L.. <i>Planta</i> , 1994, 192, 202-210.	3.2	18
23	ADP-ribosylation of <i>Rhizobium meliloti</i> Glutamine Synthetase III in Vivo. <i>Journal of Biological Chemistry</i> , 1995, 270, 1624-1628.	3.4	18
24	Cloning of the integration and attachment regions of bacteriophage P4. <i>Molecular Genetics and Genomics</i> , 1984, 195, 44-51.	2.4	16
25	Determination of nitrogen fixation effectiveness in selected <i>Medicago truncatula</i> isolates by measuring nitrogen isotope incorporation into pheophytin. <i>Plant and Soil</i> , 2005, 270, 159-168.	3.7	14
26	Deletion of Citrate Synthase Restores Growth of <i>Sinorhizobium meliloti</i> 1021 Aconitase Mutants. <i>Journal of Bacteriology</i> , 2009, 191, 7581-7586.	2.2	14
27	Integrated analysis of zone-specific protein and metabolite profiles within nitrogen-fixing <i>Medicago truncatula</i> - <i>Sinorhizobium medicae</i> nodules. <i>PLoS ONE</i> , 2017, 12, e0180894.	2.5	14
28	<i>Sinorhizobium medicae</i> WSM419 Genes That Improve Symbiosis between <i>Sinorhizobium meliloti</i> Rm1021 and <i>Medicago truncatula</i> Jemalong A17 and in Other Symbiosis Systems. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0300420.	3.1	12
29	Construction and Expression of Sugar Kinase Transcriptional Gene Fusions by Using the <i>Sinorhizobium meliloti</i> ORFeome. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6756-6765.	3.1	11
30	Nitrogen Metabolism in <i>Sinorhizobium meliloti</i> –Alfalfa Symbiosis: Dissecting the Role of GlnD and PII Proteins. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 355-362.	2.6	11
31	Truncated betB2-144 plays a critical role in <i>Sinorhizobium meliloti</i> Rm2011 osmoprotection and glycine-betaine catabolism. <i>European Journal of Soil Biology</i> , 2013, 54, 48-55.	3.2	10
32	Characterization of the <i>Sinorhizobium meliloti</i> HslUV and ClpXP Protease Systems in Free-Living and Symbiotic States. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	10
33	Directed Construction and Analysis of a <i>Sinorhizobium meliloti</i> pSymA Deletion Mutant Library. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2081-2087.	3.1	9
34	Probing the <i>Sinorhizobium meliloti</i> -Alfalfa Symbiosis Using Temperature-Sensitive and Impaired-Function Citrate Synthase Mutants. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 134-141.	2.6	8
35	Specialization in a nitrogen-fixing symbiosis: proteome differences between <i>Sinorhizobium medicae</i> bacteria and bacteroids. <i>Molecular Plant-Microbe Interactions</i> , 2021, , MPMIO7210180R.	2.6	6
36	Interaction between Nitrogen and Phosphate Stress Responses in <i>Sinorhizobium meliloti</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1928.	3.5	4

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37	Distribution of two isoforms of NADP-dependent isocitrate dehydrogenase in soybean (<i>Glycine max</i>). <i>Plant Molecular Biology</i> , 1999, 40, 13-21.	3.9	2
38	The <i>Sinorhizobium meliloti</i> Nitrogen Stress Response Changes Radically in the Face of Concurrent Phosphate Stress. <i>Frontiers in Microbiology</i> , 2022, 13, 800146.	3.5	2
39	Role of a Conserved Membrane Glycine Residue in a Dicarboxylate Transporter from <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2007, 189, 2160-2163.	2.2	1
40	Analyzing a <i>Sinorhizobium meliloti</i> 1021 ORFeome in a Functional Genomics Platform. , 2005, , 127-128.		0