

Ivan J Oresnik

List of Publications by Year in descending order

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44
papers

1,309
citations

331259

21
h-index

360668

35
g-index

45
all docs

45
docs citations

45
times ranked

1320
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a twin-arginine leader-binding protein. <i>Molecular Microbiology</i> , 2001, 40, 323-331.	1.2	157
2	Megaplasmid pRme2011a of <i>Sinorhizobium meliloti</i> Is Not Required for Viability. <i>Journal of Bacteriology</i> , 2000, 182, 3582-3586.	1.0	87
3	Cloning and Characterization of a <i>Rhizobium leguminosarum</i> Gene Encoding a Bacteriocin with Similarities to RTX Toxins. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2833-2840.	1.4	78
4	Plasmid-Encoded Catabolic Genes in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> : Evidence for a Plant-Inducible Rhamnose Locus Involved in Competition for Nodulation. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 1175-1185.	1.4	76
5	Isolation of salt-sensitive mutants of <i>Sinorhizobium meliloti</i> strain Rm1021. <i>Microbiology (United Kingdom)</i> , 2012, 158, 1369-1378.	0.7	69
6	Glycerol utilization by <i>Rhizobium leguminosarum</i> requires an ABC transporter and affects competition for nodulation. <i>Microbiology (United Kingdom)</i> , 2012, 158, 1369-1378.	0.7	66
7	Gaba shunt in developing soybean seeds is associated with hypoxia. <i>Physiologia Plantarum</i> , 1995, 94, 219-228.	2.6	61
8	Proteome analysis demonstrates complex replicon and luteolin interactions in pSyma-cured derivatives of <i>Sinorhizobium meliloti</i> strain 2011. <i>Electrophoresis</i> , 2000, 21, 3833-3842.	1.3	52
9	A Genetic Locus Necessary for Rhamnose Uptake and Catabolism in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> . <i>Journal of Bacteriology</i> , 2004, 186, 8433-8442.	1.0	48
10	Physiology, genetics, and biochemistry of carbon metabolism in the alphaproteobacterium <i>Sinorhizobium meliloti</i> . <i>Canadian Journal of Microbiology</i> , 2014, 60, 491-507.	0.8	46
11	Exopolysaccharide Production in Response to Medium Acidification Is Correlated With an Increase in Competition for Nodule Occupancy. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 1307-1317.	1.4	40
12	The lack of OmpF, but not OmpC, contributes to increased antibiotic resistance in <i>Serratia marcescens</i> . <i>Microbiology (United Kingdom)</i> , 2014, 160, 1882-1892.	0.7	40
13	The Site of Oxygen Limitation in Soybean Nodules ¹ . <i>Plant Physiology</i> , 1999, 119, 399-408.	2.3	37
14	<i>Sinorhizobium meliloti</i> pSymB carries genes necessary for arabinose transport and catabolism. <i>Microbiology (United Kingdom)</i> , 2007, 153, 727-736.	0.7	37
15	Formate-Dependent Autotrophic Growth in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2008, 190, 6409-6418.	1.0	35
16	The <i>Rhizobium</i> -Legume Symbiosis: Co-opting Successful Stress Management. <i>Frontiers in Plant Science</i> , 2021, 12, 796045.	1.7	32
17	Characterization of <i>Sinorhizobium meliloti</i> Triose Phosphate Isomerase Genes. <i>Journal of Bacteriology</i> , 2007, 189, 3445-3451.	1.0	29
18	Succinoglycan Production Contributes to Acidic pH Tolerance in <i>Sinorhizobium meliloti</i> Rm1021. <i>Molecular Plant-Microbe Interactions</i> , 2017, 30, 1009-1019.	1.4	26

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19	A locus necessary for the transport and catabolism of erythritol in <i>Sinorhizobium meliloti</i> . <i>Microbiology (United Kingdom)</i> , 2010, 156, 2970-2981.	0.7	25
20	The Twin Arginine Transport System Appears To Be Essential for Viability in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2010, 192, 5173-5180.	1.0	23
21	Genetic characterization of a complex locus necessary for the transport and catabolism of erythritol, adonitol and l-arabitol in <i>Sinorhizobium meliloti</i> . <i>Microbiology (United Kingdom)</i> , 2012, 158, 2180-2191.	0.7	23
22	Analysis of the genetic region encoding a novel rhizobiocin from <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> strain 306. <i>Canadian Journal of Microbiology</i> , 2001, 47, 495-502.	0.8	22
23	Inability To Catabolize Galactose Leads to Increased Ability To Compete for Nodule Occupancy in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2012, 194, 5044-5053.	1.0	21
24	RhaU of <i>Rhizobium leguminosarum</i> Is a Rhamnose Mutarotase. <i>Journal of Bacteriology</i> , 2008, 190, 2903-2910.	1.0	20
25	Characterization of the Twin-Arginine Transport Secretome in <i>Sinorhizobium meliloti</i> and Evidence for Host-Dependent Phenotypes. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7141-7144.	1.4	17
26	Functional characterization of a soybean growth stimulator <i>Bradyrhizobium</i> sp. strain SR-6 showing acylhomoserine lactone production. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw115.	1.3	17
27	The relationship between nodule adenylates and the regulation of nitrogenase activity by O ₂ in soybean. <i>Physiologia Plantarum</i> , 1994, 91, 687-695.	2.6	15
28	σ^{RhaK} -Rhamnose Transport Is Sugar Kinase (RhaK) Dependent in <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> . <i>Journal of Bacteriology</i> , 2007, 189, 8437-8446.	1.0	14
29	The Mechanism of Symbiotic Nitrogen Fixation. <i>Advances in Environmental Microbiology</i> , 2016, , 69-97.	0.1	13
30	Phylogenetic analysis of erythritol catabolic loci within the Rhizobiales and Proteobacteria. <i>BMC Microbiology</i> , 2013, 13, 46.	1.3	12
31	Common dyes used to determine bacterial polysaccharides on agar are affected by medium acidification. <i>Canadian Journal of Microbiology</i> , 2017, 63, 559-562.	0.8	12
32	Characterisation of a gene encoding a membrane protein that affects exopolysaccharide production and intracellular Mg ²⁺ concentrations in <i>Ensifer meliloti</i> . <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	11
33	Characterization of Mutations That Affect the Nonoxidative Pentose Phosphate Pathway in <i>Sinorhizobium meliloti</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	10
34	Galactitol catabolism in <i>Sinorhizobium meliloti</i> is dependent on a chromosomally encoded sorbitol dehydrogenase and a pSymb-encoded operon necessary for tagatose catabolism. <i>Molecular Genetics and Genomics</i> , 2019, 294, 739-755.	1.0	6
35	Analysis of the genetic region encoding a novel rhizobiocin from <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> strain 306. <i>Canadian Journal of Microbiology</i> , 2001, 47, 495-502.	0.8	6
36	Carbohydrate Kinase (RhaK)-Dependent ABC Transport of Rhamnose in <i>Rhizobium leguminosarum</i> Demonstrates Genetic Separation of Kinase and Transport Activities. <i>Journal of Bacteriology</i> , 2013, 195, 3424-3432.	1.0	5

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37	The Sugar Kinase That Is Necessary for the Catabolism of Rhamnose in <i>Rhizobium leguminosarum</i> Directly Interacts with the ABC Transporter Necessary for Rhamnose Transport. <i>Journal of Bacteriology</i> , 2015, 197, 3812-3821.	1.0	4
38	Draft Genome Sequence of the Bacteriocin-Producing <i>Bradyrhizobium japonicum</i> Strain FN1. <i>Genome Announcements</i> , 2015, 3, .	0.8	3
39	Does it take a community to raise a plant? A summary of the Canadian Crop Microbiome Workshop. <i>Canadian Journal of Microbiology</i> , 2016, 62, 980-982.	0.8	3
40	<i>Bradyrhizobium japonicum</i> FN1 produces an inhibitory substance that affects competition for nodule occupancy. <i>Canadian Journal of Microbiology</i> , 2022, , 1-10.	0.8	3
41	Characterization of the sorbitol dehydrogenase SmoS from <i>Sinorhizobium meliloti</i> 1021. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 380-390.	1.1	2
42	qPCR assay targeting <i>Bradyrhizobium japonicum</i> shows that row spacing and soybean density affects <i>Bradyrhizobium</i> population. <i>Canadian Journal of Microbiology</i> , 2021, 67, 529-536.	0.8	2
43	Inability to Catabolize Rhamnose by <i>Sinorhizobium meliloti</i> Rm1021 Affects Competition for Nodule Occupancy. <i>Microorganisms</i> , 2022, 10, 732.	1.6	2
44	Complete Genome Sequences of <i>Rhizobium gallicum</i> M101 and Two Potential New <i>Rhizobium</i> Species Isolated from Soils in Central Canada. <i>Microbiology Resource Announcements</i> , 2022, 11, .	0.3	1