Ivan J Oresnik

List of Publications by Year
in descending order

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	Bradyrhizobium japonicum FN1 produces an inhibitory substance that affects competition for nodule occupancy. Canadian Journal of Microbiology, 2022, , 1-10.	0.8	3
2	Inability to Catabolize Rhamnose by Sinorhizobium meliloti Rm1021 Affects Competition for Nodule Occupancy. Microorganisms, 2022, 10, 732.	1.6	2
3	Complete Genome Sequences of Rhizobium gallicum M101 and Two Potential New Rhizobium Species Isolated from Soils in Central Canada. Microbiology Resource Announcements, 2022, 11, .	0.3	1
4	Characterization of the sorbitol dehydrogenase SmoS from Sinorhizobium meliloti 1021. Acta Crystallographica Section D: Structural Biology, 2021, 77, 380-390.	1.1	2
5	qPCR assay targeting Bradyrhizobium japonicum shows that row spacing and soybean density affects Bradyrhizobium population. Canadian Journal of Microbiology, 2021, 67, 529-536.	0.8	2
6	The Rhizobium-Legume Symbiosis: Co-opting Successful Stress Management. Frontiers in Plant Science, 2021, 12, 796045.	1.7	32
7	Galactitol catabolism in Sinorhizobium meliloti is dependent on a chromosomally encoded sorbitol dehydrogenase and a pSymB-encoded operon necessary for tagatose catabolism. Molecular Genetics and Genomics, 2019, 294, 739-755.	1.0	6
8	Characterization of Mutations That Affect the Nonoxidative Pentose Phosphate Pathway in Sinorhizobium meliloti. Journal of Bacteriology, 2018, 200, .	1.0	10
9	Common dyes used to determine bacterial polysaccharides on agar are affected by medium acidification. Canadian Journal of Microbiology, 2017, 63, 559-562.	0.8	12
10	Characterisation of a gene encoding a membrane protein that affects exopolysaccharide production and intracellular Mg2+ concentrations in Ensifer meliloti. FEMS Microbiology Letters, 2017, 364, .	0.7	11
11	Succinoglycan Production Contributes to Acidic pH Tolerance in Sinorhizobium meliloti Rm1021. Molecular Plant-Microbe Interactions, 2017, 30, 1009-1019.	1.4	26
12	The Mechanism of Symbiotic Nitrogen Fixation. Advances in Environmental Microbiology, 2016, , 69-97.	0.1	13
13	Does it take a community to raise a plant? A summary of the Canadian Crop Microbiome Workshop. Canadian Journal of Microbiology, 2016, 62, 980-982.	0.8	3
14	Functional characterization of a soybean growth stimulatorBradyrhizobiumsp. strain SR-6 showing acylhomoserine lactone production. FEMS Microbiology Ecology, 2016, 92, fiw115.	1.3	17
15	The Sugar Kinase That Is Necessary for the Catabolism of Rhamnose in Rhizobium leguminosarum Directly Interacts with the ABC Transporter Necessary for Rhamnose Transport. Journal of Bacteriology, 2015, 197, 3812-3821.	1.0	4
16	Draft Genome Sequence of the Bacteriocin-Producing Bradyrhizobium japonicum Strain FN1. Genome Announcements, 2015, 3, .	0.8	3
17	Exopolysaccharide Production in Response to Medium Acidification Is Correlated With an Increase in Competition for Nodule Occupancy. Molecular Plant-Microbe Interactions, 2014, 27, 1307-1317.	1.4	40
18	Physiology, genetics, and biochemistry of carbon metabolism in the alphaproteobacteriumSinorhizobium meliloti. Canadian Journal of Microbiology, 2014, 60, 491-507.	0.8	46

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19	The lack of OmpF, but not OmpC, contributes to increased antibiotic resistance in Serratia marcescens. Microbiology (United Kingdom), 2014, 160, 1882-1892.	0.7	40
20	Phylogenetic analysis of erythritol catabolic loci within theRhizobiales and Proteobacteria. BMC Microbiology, 2013, 13, 46.	1.3	12
21	Carbohydrate Kinase (RhaK)-Dependent ABC Transport of Rhamnose in Rhizobium leguminosarum Demonstrates Genetic Separation of Kinase and Transport Activities. Journal of Bacteriology, 2013, 195, 3424-3432.	1.0	5
22	Glycerol utilization by Rhizobium leguminosarum requires an ABC transporter and affects competition for nodulation. Microbiology (United Kingdom), 2012, 158, 1369-1378.	0.7	66
23	Characterization of the Twin-Arginine Transport Secretome in Sinorhizobium meliloti and Evidence for Host-Dependent Phenotypes. Applied and Environmental Microbiology, 2012, 78, 7141-7144.	1.4	17
24	Inability To Catabolize Galactose Leads to Increased Ability To Compete for Nodule Occupancy in Sinorhizobium meliloti. Journal of Bacteriology, 2012, 194, 5044-5053.	1.0	21
25	Genetic characterization of a complex locus necessary for the transport and catabolism of erythritol, adonitol and l-arabitol in Sinorhizobium meliloti. Microbiology (United Kingdom), 2012, 158, 2180-2191.	0.7	23
26	A locus necessary for the transport and catabolism of erythritol in Sinorhizobium meliloti. Microbiology (United Kingdom), 2010, 156, 2970-2981.	0.7	25
27	The Twin Arginine Transport System Appears To Be Essential for Viability in Sinorhizobium meliloti. Journal of Bacteriology, 2010, 192, 5173-5180.	1.0	23
28	Formate-Dependent Autotrophic Growth in Sinorhizobium meliloti. Journal of Bacteriology, 2008, 190, 6409-6418.	1.0	35
29	RhaU of Rhizobium leguminosarum Is a Rhamnose Mutarotase. Journal of Bacteriology, 2008, 190, 2903-2910.	1.0	20
30	Sinorhizobium meliloti pSymB carries genes necessary for arabinose transport and catabolism. Microbiology (United Kingdom), 2007, 153, 727-736.	0.7	37
31	<scp>l</scp> -Rhamnose Transport Is Sugar Kinase (RhaK) Dependent in Rhizobium leguminosarum bv. trifolii. Journal of Bacteriology, 2007, 189, 8437-8446.	1.0	14
32	Characterization of Sinorhizobium meliloti Triose Phosphate Isomerase Genes. Journal of Bacteriology, 2007, 189, 3445-3451.	1.0	29
33	Isolation of salt-sensitive mutants of Sinorhizobium meliloti strain Rm1021. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	69
34	A Genetic Locus Necessary for Rhamnose Uptake and Catabolism in Rhizobium leguminosarum bv. trifolii. Journal of Bacteriology, 2004, 186, 8433-8442.	1.0	48
35	Identification of a twin-arginine leader-binding protein. Molecular Microbiology, 2001, 40, 323-331.	1.2	157
36	Analysis of the genetic region encoding a novel rhizobiocin fromRhizobium leguminosarumbv.viciaestrain 306. Canadian Journal of Microbiology, 2001, 47, 495-502.	0.8	22

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37	Analysis of the genetic region encoding a novel rhizobiocin from Rhizobium leguminosarum bv. viciae strain 306. Canadian Journal of Microbiology, 2001, 47, 495-502.	0.8	6
38	Proteome analysis demonstrates complex replicon and luteolin interactions in pSyma-cured derivatives ofSinorhizobium meliloti strain 2011. Electrophoresis, 2000, 21, 3833-3842.	1.3	52
39	Megaplasmid pRme2011a of Sinorhizobium meliloti Is Not Required for Viability. Journal of Bacteriology, 2000, 182, 3582-3586.	1.0	87
40	The Site of Oxygen Limitation in Soybean Nodules1. Plant Physiology, 1999, 119, 399-408.	2.3	37
41	Cloning and Characterization of a Rhizobium leguminosarum Gene Encoding a Bacteriocin with Similarities to RTX Toxins. Applied and Environmental Microbiology, 1999, 65, 2833-2840.	1.4	78
42	Plasmid-Encoded Catabolic Genes in Rhizobium leguminosarum bv. trifolii: Evidence for a Plant-Inducible Rhamnose Locus Involved in Competition for Nodulation. Molecular Plant-Microbe Interactions, 1998, 11, 1175-1185.	1.4	76
43	Gaba shunt in developing soybean seeds is associated with hypoxia. Physiologia Plantarum, 1995, 94, 219-228.	2.6	61
44	The relationship between nodule adenylates and the regulation of nitrogenase activity by O2 in soybean. Physiologia Plantarum, 1994, 91, 687-695.	2.6	15