

Svetlana N Yurgel

List of Publications by Year in descending order

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38
papers

3,456
citations

394421

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docs citations

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times ranked

3731
citing authors

#	ARTICLE	IF	CITATIONS
1	PICRUSt2 for prediction of metagenome functions. <i>Nature Biotechnology</i> , 2020, 38, 685-688.	17.5	2,621
2	Dicarboxylate transport by rhizobia. <i>FEMS Microbiology Reviews</i> , 2004, 28, 489-501.	8.6	109
3	Dissecting Community Structure in Wild Blueberry Root and Soil Microbiome. <i>Frontiers in Microbiology</i> , 2018, 9, 1187.	3.5	56
4	Variation in Bacterial and Eukaryotic Communities Associated with Natural and Managed Wild Blueberry Habitats. <i>Phytobiomes Journal</i> , 2017, 1, 102-113.	2.7	47
5	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
6	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
7	A portal for rhizobial genomes: RhizoGATE integrates a <i>Sinorhizobium meliloti</i> genome annotation update with postgenome data. <i>Journal of Biotechnology</i> , 2009, 140, 45-50.	3.8	38
8	A directed-overflow and damage-control <i>N</i> -glycosidase in riboflavin biosynthesis. <i>Biochemical Journal</i> , 2015, 466, 137-145.	3.7	38
9	Microbial co-occurrence network analysis of soils receiving short- and long-term applications of alkaline treated biosolids. <i>Science of the Total Environment</i> , 2021, 751, 141687.	8.0	37
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	Exploring the long-term effect of plastic on compost microbiome. <i>PLoS ONE</i> , 2019, 14, e0214376.	2.5	30
13	The <i>eff-482</i> locus of <i>Sinorhizobium meliloti</i> CXM1-105 that influences symbiotic effectiveness consists of three genes encoding an endoglycanase, a transcriptional regulator and an adenylate cyclase. <i>Molecular Genetics and Genomics</i> , 1999, 261, 1032-1044.	2.4	29
14	Metagenomic Functional Shifts to Plant Induced Environmental Changes. <i>Frontiers in Microbiology</i> , 2019, 10, 1682.	3.5	28
15	Microbial Communities Associated with Storage Onion. <i>Phytobiomes Journal</i> , 2018, 2, 35-41.	2.7	27
16	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
17	<i>Sinorhizobium meliloti</i> Flavin Secretion and Bacteria-Host Interaction: Role of the Bifunctional RibBA Protein. <i>Molecular Plant-Microbe Interactions</i> , 2014, 27, 437-445.	2.6	25
18	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

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19	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
20	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
21	Members of a Novel Kinase Family (DUF1537) Can Recycle Toxic Intermediates into an Essential Metabolite. <i>ACS Chemical Biology</i> , 2016, 11, 2304-2311.	3.4	12
22	Combination of <i>Ascophyllum nodosum</i> Extract and Humic Acid Improve Early Growth and Reduces Post-Harvest Loss of Lettuce and Spinach. <i>Agriculture (Switzerland)</i> , 2019, 9, 240.	3.1	12
23	<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
24	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
25	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
26	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
27	Low Mannitol Concentrations in <i>Arabidopsis thaliana</i> Expressing <i>Ectocarpus</i> Genes Improve Salt Tolerance. <i>Plants</i> , 2020, 9, 1508.	3.5	10
28	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
29	Effect of Fungicide Application on Lowbush Blueberries Soil Microbiome. <i>Microorganisms</i> , 2021, 9, 1366.	3.6	8
30	A Characterization of a Cool-Climate Organic Vineyard's Microbiome. <i>Phytobiomes Journal</i> , 2022, 6, 69-82.	2.7	7
31	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
32	Response of Plant-Associated Microbiome to Plant Root Colonization by Exogenous Bacterial Endophyte in Perennial Crops. <i>Frontiers in Microbiology</i> , 2022, 13, 863946.	3.5	6
33	Interaction between Nitrogen and Phosphate Stress Responses in <i>Sinorhizobium meliloti</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1928.	3.5	4
34	A Novel Protein from <i>Ectocarpus</i> sp. Improves Salinity and High Temperature Stress Tolerance in <i>Arabidopsis thaliana</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 1971.	4.1	4
35	Microbial Consortium Associated with Crustacean Shells Composting. <i>Microorganisms</i> , 2022, 10, 1033.	3.6	3
36	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

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37	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
38	Estabelecimento de sistema bacteriano de expressão de peptídeos derivados da enzima vegetal RuBisCO. <i>Brazilian Journal of Food Technology</i> , 0, 22, .	0.8	1