

John T Sullivan

List of Publications by Year in descending order

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31
papers

2,121
citations

361413

20
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2005
citing authors

#	ARTICLE	IF	CITATIONS
1	The molecular network governing nodule organogenesis and infection in the model legume <i>Lotus japonicus</i> . <i>Nature Communications</i> , 2010, 1, 10.	12.8	426
2	Comparative Sequence Analysis of the Symbiosis Island of <i>Mesorhizobium loti</i> Strain R7A. <i>Journal of Bacteriology</i> , 2002, 184, 3086-3095.	2.2	305
3	Legume receptors perceive the rhizobial lipochitin oligosaccharide signal molecules by direct binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13859-13864.	7.1	301
4	Excision and transfer of the <i>Mesorhizobium loti</i> R7A symbiosis island requires an integrase IntS, a novel recombination directionality factor RdfS, and a putative relaxase RlxS. <i>Molecular Microbiology</i> , 2006, 62, 723-734.	2.5	119
5	Conditional Requirement for Exopolysaccharide in the <i>Mesorhizobium loti</i> Symbiosis. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 319-329.	2.6	117
6	Ligand-recognizing motifs in plant LysM receptors are major determinants of specificity. <i>Science</i> , 2020, 369, 663-670.	12.6	87
7	Ribosomal frameshifting and dual-target antiactivation restrict quorum-sensing-activated transfer of a mobile genetic element. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4104-4109.	7.1	68
8	Assembly and transfer of tripartite integrative and conjugative genetic elements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12268-12273.	7.1	64
9	Nodulation Gene Mutants of <i>Mesorhizobium loti</i> R7A <i>nodZ</i> and <i>nolL</i> Mutants Have Host-Specific Phenotypes on <i>Lotus</i> spp.. <i>Molecular Plant-Microbe Interactions</i> , 2009, 22, 1546-1554.	2.6	62
10	A LuxR-family regulatory system controls excision and transfer of the <i>Mesorhizobium loti</i> strain R7A symbiosis island by activating expression of two conserved hypothetical genes. <i>Molecular Microbiology</i> , 2009, 73, 1141-1155.	2.5	57
11	Symbiosis-Induced Cascade Regulation of the <i>Mesorhizobium loti</i> R7A VirB/D4 Type IV Secretion System. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 255-261.	2.6	55
12	The bio operon on the acquired symbiosis island of <i>Mesorhizobium</i> sp. strain R7A includes a novel gene involved in pimeloyl-CoA synthesis The GenBank accession number for the sequence reported in this paper is AF311738.. <i>Microbiology (United Kingdom)</i> , 2001, 147, 1315-1322.	1.8	54
13	A widely conserved molecular switch controls quorum sensing and symbiosis island transfer in <i>Mesorhizobium loti</i> through expression of a novel antiactivator. <i>Molecular Microbiology</i> , 2013, 87, 1-13.	2.5	50
14	Regulation of Nod factor biosynthesis by alternative NodD proteins at distinct stages of symbiosis provides additional compatibility scrutiny. <i>Environmental Microbiology</i> , 2018, 20, 97-110.	3.8	50
15	The NifA-RpoN Regulon of <i>Mesorhizobium loti</i> Strain R7A and Its Symbiotic Activation by a Novel LacI/GalR-Family Regulator. <i>PLoS ONE</i> , 2013, 8, e53762.	2.5	38
16	Host-specific regulation of symbiotic nitrogen fixation in <i>Rhizobium leguminosarum</i> biovar <i>trifolii</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 3184-3195.	1.8	32
17	Structures of Exopolysaccharides Involved in Receptor-mediated Perception of <i>Mesorhizobium loti</i> by <i>Lotus japonicus</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 20946-20961.	3.4	32
18	Structural signatures in EPR3 define a unique class of plant carbohydrate receptors. <i>Nature Communications</i> , 2020, 11, 3797.	12.8	31

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19	Physical and genetic map of the <i>Clostridium saccharobutylicum</i> (formerly <i>Clostridium</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74	1.8	25
20	Kinetic proofreading of lipochitooligosaccharides determines signal activation of symbiotic plant receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	23
21	Genome sequence of the <i>Lotus</i> spp. microsymbiont <i>Mesorhizobium loti</i> strain R7A. <i>Standards in Genomic Sciences</i> , 2014, 9, 6.	1.5	22
22	Evolutionary persistence of tripartite integrative and conjugative elements. <i>Plasmid</i> , 2017, 92, 30-36.	1.4	21
23	An epigenetic switch activates bacterial quorum sensing and horizontal transfer of an integrative and conjugative element. <i>Nucleic Acids Research</i> , 2022, 50, 975-988.	14.5	17
24	<i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> NodD2 Enhances Competitive Nodule Colonization in the Clover-Rhizobium Symbiosis. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	14
25	Comparative analysis of integrative and conjugative mobile genetic elements in the genus <i>Mesorhizobium</i> . <i>Microbial Genomics</i> , 2021, 7, .	2.0	13
26	Genome sequence of the <i>Lotus corniculatus</i> microsymbiont <i>Mesorhizobium loti</i> strain R88B. <i>Standards in Genomic Sciences</i> , 2014, 9, 3.	1.5	12
27	Ferrichrome utilization in a mesorhizobial population: microevolution of a three-€ locus system. <i>Environmental Microbiology</i> , 2007, 9, 2923-2932.	3.8	8
28	Symbiosis islands of Loteae-nodulating <i>Mesorhizobium</i> comprise three radiating lineages with concordant nod gene complements and nodulation host-range groupings. <i>Microbial Genomics</i> , 2020, 6, .	2.0	7
29	Genome sequence of the <i>Lotus</i> spp. microsymbiont <i>Mesorhizobium loti</i> strain NZP2037. <i>Standards in Genomic Sciences</i> , 2014, 9, 7.	1.5	5
30	Delineation of the integrase-attachment and origin-of-transfer regions of the symbiosis island ICEMISymR7A. <i>Plasmid</i> , 2019, 104, 102416.	1.4	4
31	High-Quality draft genome sequence of the <i>Lotus</i> spp. microsymbiont <i>Mesorhizobium loti</i> strain CJ3Sym. <i>Standards in Genomic Sciences</i> , 2015, 10, 54.	1.5	2