

Kazuhiko Saeki

List of Publications by Year in descending order

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48
papers

1,986
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346980

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#	ARTICLE	IF	CITATIONS
1	Phenolic Acids Induce Nod Factor Production in <i>Lotus japonicus</i> and <i>Mesorhizobium loti</i> ; Symbiosis. <i>Microbes and Environments</i> , 2022, 37, n/a.	0.7	9
2	Assessment of <i>Polygala paniculata</i> (Polygalaceae) characteristics for evolutionary studies of legume-rhizobia symbiosis. <i>Journal of Plant Research</i> , 2020, 133, 109-122.	1.2	3
3	<i>Lotus</i> ; Accessions Possess Multiple Checkpoints Triggered by Different Type III Secretion System Effectors of the Wide-Host-Range Symbiont <i>Bradyrhizobium elkanii</i> ; USDA61. <i>Microbes and Environments</i> , 2020, 35, n/a.	0.7	20
4	Whole-Genome Sequence of the Nitrogen-Fixing Symbiotic Rhizobium <i>Mesorhizobium loti</i> Strain TONO. <i>Genome Announcements</i> , 2016, 4, .	0.8	7
5	Genome Analysis of a Novel <i>Bradyrhizobium</i> sp. DOA9 Carrying a Symbiotic Plasmid. <i>PLoS ONE</i> , 2015, 10, e0117392.	1.1	52
6	Peribacteroid solution of soybean root nodules partly induces genomic loci for differentiation into bacteroids of free-living <i>Bradyrhizobium japonicum</i> cells. <i>Soil Science and Plant Nutrition</i> , 2015, 61, 461-470.	0.8	4
7	Genome Sequence and Gene Functions in <i>Mesorhizobium loti</i> and Relatives. <i>Compendium of Plant Genomes</i> , 2014, , 41-57.	0.3	4
8	Hijacking of leguminous nodulation signaling by the rhizobial type III secretion system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17131-17136.	3.3	245
9	LjMATE1: A Citrate Transporter Responsible for Iron Supply to the Nodule Infection Zone of <i>Lotus japonicus</i> . <i>Plant and Cell Physiology</i> , 2013, 54, 585-594.	1.5	70
10	Commonalities and Differences among Symbiosis Islands of Three <i>Mesorhizobium loti</i> Strains. <i>Microbes and Environments</i> , 2013, 28, 275-278.	0.7	17
11	Involvement of a Novel Genistein-Inducible Multidrug Efflux Pump of <i>Bradyrhizobium japonicum</i> Early in the Interaction with <i>Glycine max</i> (L.) Merr. <i>Microbes and Environments</i> , 2013, 28, 414-421.	0.7	16
12	Rhizobial measures to evade host defense strategies and endogenous threats to persistent symbiotic nitrogen fixation: a focus on two legume-rhizobium model systems. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 1327-1339.	2.4	40
13	Identification and Functional Analysis of Type III Effector Proteins in <i>Mesorhizobium loti</i> . <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 223-234.	1.4	74
14	Temperature-Dependent Expression of Type III Secretion System Genes and Its Regulation in <i>Bradyrhizobium japonicum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 628-637.	1.4	10
15	The <i>bacA</i> Gene Homolog, <i>mlr7400</i> , in <i>Mesorhizobium loti</i> MAFF303099 is Dispensable for Symbiosis with <i>Lotus japonicus</i> but Partially Capable of Supporting the Symbiotic Function of <i>bacA</i> in <i>Sinorhizobium meliloti</i> . <i>Plant and Cell Physiology</i> , 2010, 51, 1443-1452.	1.5	29
16	Functional Differences of Two Distinct Catalases in <i>Mesorhizobium loti</i> MAFF303099 under Free-Living and Symbiotic Conditions. <i>Journal of Bacteriology</i> , 2009, 191, 1463-1471.	1.0	19
17	Genomic comparison of <i>Bradyrhizobium japonicum</i> strains with different symbiotic nitrogen-fixing capabilities and other <i>Bradyrhizobiaceae</i> members. <i>ISME Journal</i> , 2009, 3, 326-339.	4.4	67
18	Soybean Seed Extracts Preferentially Express Genomic Loci of <i>Bradyrhizobium japonicum</i> in the Initial Interaction with Soybean, <i>Glycine max</i> (L.) Merr. <i>DNA Research</i> , 2008, 15, 201-214.	1.5	30

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19	Requirement for Mesorhizobium loti Ornithine Transcarbamoylase for Successful Symbiosis with Lotus japonicus as Revealed by an Unexpected Long-Range Genome Deletion. Plant and Cell Physiology, 2008, 49, 301-313.	1.5	11
20	The <i>Mesorhizobium loti purB</i> Gene Is Involved in Infection Thread Formation and Nodule Development in <i>Lotus japonicus</i> . Journal of Bacteriology, 2007, 189, 8347-8352.	1.0	23
21	Global Gene Expression in Bradyrhizobium japonicum Cultured with Vanillin, Vanillate, 4-Hydroxybenzoate and Protocatechuate. Microbes and Environments, 2006, 21, 240-250.	0.7	22
22	Characterization of the Lotus japonicus Symbiotic Mutant lot1 That Shows a Reduced Nodule Number and Distorted Trichomes. Plant Physiology, 2005, 137, 1261-1271.	2.3	31
23	Characteristic biological activities of lipopolysaccharides from <i>Sinorhizobium</i> and <i>Mesorhizobium</i> . Journal of Endotoxin Research, 2004, 10, 25-31.	2.5	8
24	Expression Islands Clustered on the Symbiosis Island of the Mesorhizobium loti Genome. Journal of Bacteriology, 2004, 186, 2439-2448.	1.0	205
25	Ordered Cosmid Library of the Mesorhizobium loti MAFF303099 Genome for Systematic Gene Disruption and Complementation Analysis. Plant and Cell Physiology, 2002, 43, 1542-1557.	1.5	24
26	A novel bioremediation system for heavy metals using the symbiosis between leguminous plant and genetically engineered rhizobia. Journal of Biotechnology, 2002, 99, 279-293.	1.9	110
27	Primary Structure and Phylogenetic Analysis of the Coat Protein of a Toyama Isolate of Tobacco Necrosis Virus. Bioscience, Biotechnology and Biochemistry, 2001, 65, 719-724.	0.6	6
28	The Lotus Symbiont, Mesorhizobium loti: Molecular Genetic Techniques and Application. Journal of Plant Research, 2000, 113, 457-465.	1.2	45
29	Crystal structure of tobacco necrosis virus at 2.25 Å... resolution. Journal of Molecular Biology, 2000, 300, 153-169.	2.0	51
30	Electron Transport Pathway to Nitrogenase in Rhodobacter Capsulatus RNF complex and its Relatives in Non-Diazotrophs. , 2000, , 143-144.		0
31	Hyperproduction of Recombinant Ferredoxins in Escherichia coli by Coexpression of the ORF1-ORF2-iscS-iscU-iscA-hscB-hscA-fdx-ORF3 Gene Cluster. Journal of Biochemistry, 1999, 126, 10-18.	0.9	177
32	The rnf gene products in Rhodobacter capsulatus play an essential role in nitrogen fixation during anaerobic DMSO-dependent growth in the dark. Archives of Microbiology, 1998, 169, 464-467.	1.0	36
33	Membrane Localization, Topology, and Mutual Stabilization of the rnfABC Gene Products in Rhodobacter capsulatus and Implications for a New Family of Energy-Coupling NADH Oxidoreductases. Biochemistry, 1997, 36, 5509-5521.	1.2	85
34	Site-specific Mutagenesis of Rhodobacter capsulatus Ferredoxin I, FdxN, That Functions in Nitrogen Fixation. Journal of Biological Chemistry, 1996, 271, 31399-31406.	1.6	23
35	Molecular Cloning and Nucleotide Sequences of cDNAs Encoding Subunits I, II, and IX of Euglena gracilis Mitochondrial Complex III. Journal of Biochemistry, 1994, 115, 98-107.	0.9	15
36	Structural and Functional Diversity of Ferredoxins and Related Proteins. Advances in Inorganic Chemistry, 1992, , 223-280.	0.4	129

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37	Evolutionary Aspects of Iron-Sulfur Proteins in Photosynthetic Apparatus. , 1992, , 491-498.		0
38	Transcriptional analysis of two <i>Rhodobacter capsulatus</i> ferredoxins by translational fusion to <i>Escherichia coli</i> lacZ. FEBS Letters, 1991, 292, 13-16.	1.3	9
39	Two Distinct Ferredoxins from <i>Rhodobacter capsulatus</i> : Complete Amino Acid Sequences and Molecular Evolution. Journal of Biochemistry, 1990, 108, 475-482.	0.9	24
40	A plant-ferredoxin-like gene is located upstream of ferredoxin I gene (<i>fdxN</i>) of <i>Rhodobacter capsulatus</i> . Nucleic Acids Research, 1990, 18, 1060-1060.	6.5	24
41	Purification and properties of ferredoxin and rubredoxin from <i>Butyrivacterium methylotrophicum</i> . Journal of Bacteriology, 1989, 171, 4736-4741.	1.0	14
42	Ferredoxin and Rubredoxin from <i>Butyrivacterium methylotrophicum</i> : Complete Primary Structures and Construction of Phylogenetic Trees. Journal of Biochemistry, 1989, 106, 656-662.	0.9	19
43	The Protein Responsible for Center A/B in Spinach Photosystem I: Isolation with Iron-Sulfur Cluster(s) and Complete Sequence Analysis. Journal of Biochemistry, 1988, 103, 962-968.	0.9	112
44	<i>Pseudomonas stutzeri</i> Ferredoxin: Close Similarity to <i>Azotobacter vinelandii</i> and <i>Pseudomonas ovalis</i> Ferredoxins. Journal of Biochemistry, 1988, 104, 242-246.	0.9	26
45	Preliminary crystallographic study of a ribulose-1,5-bisphosphate carboxylase-oxygenase from <i>Chromatium vinosum</i> . Journal of Molecular Biology, 1986, 191, 577-578.	2.0	9
46	A Novel FAD-Protein that Allows Effective Reduction of Methyl Viologen by NADH (NADH-Methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Characterization. Journal of Biochemistry, 1986, 99, 423-435.	0.9	2
47	Barley Leaf Peroxidase: Purification and Characterization. Journal of Biochemistry, 1986, 99, 485-494.	0.9	27
48	Nucleotide Sequence and Genetic Analysis of the Region Essential for Functional Expression of the Gene for Ferredoxin I, <i>fdxN</i> , in <i>Rhodobacter capsulatus</i> ; Sharing of One Upstream Activator Sequence in Opposite Directions by Two Operons Related to Nitrogen Fixation. Plant and Cell Physiology, 0, , .	1.5	3