Masaya Fujita

List of Publications by Year
in descending order

65 papers	6,876 citations	201575 27 h-index	106281 65 g-index
66 all docs	66 docs citations	66 times ranked	5248 citing authors

#	Article	IF	Citations
1	The complete genome sequence of the Gram-positive bacterium Bacillus subtilis. Nature, 1997, 390, 249-256.	13.7	3,519
2	The Spo0A regulon of Bacillus subtilis. Molecular Microbiology, 2003, 50, 1683-1701.	1.2	466
3	High- and Low-Threshold Genes in the Spo0A Regulon of Bacillus subtilis. Journal of Bacteriology, 2005, 187, 1357-1368.	1.0	366
4	The Program of Gene Transcription for a Single Differentiating Cell Type during Sporulation in Bacillus subtilis. PLoS Biology, 2004, 2, e328.	2.6	308
5	Evidence that entry into sporulation in Bacillus subtilis is governed by a gradual increase in the level and activity of the master regulator Spo0A. Genes and Development, 2005, 19, 2236-2244.	2.7	255
6	The ÏƒE Regulon and the Identification of Additional Sporulation Genes in Bacillus subtilis. Journal of Molecular Biology, 2003, 327, 945-972.	2.0	214
7	Paradoxical DNA Repair and Peroxide Resistance Gene Conservation in Bacillus pumilus SAFR-032. PLoS ONE, 2007, 2, e928.	1.1	118
8	Defining a Centromere-like Element in Bacillus subtilis by Identifying the Binding Sites for the Chromosome-Anchoring Protein RacA. Molecular Cell, 2005, 17, 773-782.	4.5	93
9	An investigation into the compartmentalization of the sporulation transcription factor sigmaE in Bacillus subtilis. Molecular Microbiology, 2002, 43, 27-38.	1.2	86
10	The master regulator for entry into sporulation in Bacillus subtilis becomes a cell-specific transcription factor after asymmetric division. Genes and Development, 2003, 17, 1166-1174.	2.7	84
11	Chromosomal Arrangement of Phosphorelay Genes Couples Sporulation and DNA Replication. Cell, 2015, 162, 328-337.	13.5	79
12	Temporal and selective association of multiple sigma factors with RNA polymerase during sporulation in Bacillus subtilis. Genes To Cells, 2000, 5, 79-88.	0.5	76
13	Optogenetic control of Bacillus subtilis gene expression. Nature Communications, 2019, 10, 3099.	5.8	69
14	ClpC regulates the fate of a sporulation initiation sigma factor, ÏƒHprotein, inBacillus subtilisat elevated temperatures. Molecular Microbiology, 1998, 29, 505-513.	1.2	68
15	Feedback Loops Involving Spo0A and AbrB in In Vitro Transcription of the Genes Involved in the Initiation of Sporulation in Bacillus subtilis. Journal of Biochemistry, 1998, 124, 98-104.	0.9	62
16	Ultrasensitivity of the <i>Bacillus subtilis</i> sporulation decision. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3513-22.	3.3	62
17	Transcription of the principal sigma-factor genes, rpoD and rpoS, in Pseudomonas aeruginosa is controlled according to the growth phase. Molecular Microbiology, 1994, 13, 1071-1077.	1.2	59
18	The Threshold Level of the Sensor Histidine Kinase KinA Governs Entry into Sporulation in <i>Bacillus subtilis</i>. Journal of Bacteriology, 2010, 192, 3870-3882.	1.0	58

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19	Cloning and nucleotide sequence of the gene (amyP) for maltotetraose-forming amylase from Pseudomonas stutzeri MO-19. Journal of Bacteriology, 1989, 171, 1333-1339.	1.0	56
20	The FtsEX ABC transporter directs cellular differentiation in <i>Bacillus subtilis</i>. Molecular Microbiology, 2008, 69, 1018-1028.	1.2	49
21	Rapid isolation of RNA polymerase from sporulating cells of Bacillus subtilis. Gene, 1998, 221, 185-190.	1.0	44
22	Triggering sporulation in <i><scp>B</scp>acillus subtilis</i> with artificial twoâ€component systems reveals the importance of proper <scp>Spo</scp>0<scp>A</scp> activation dynamics. Molecular Microbiology, 2013, 90, 181-194.	1.2	39
23	Identification and characterization of novel small RNAs in the aspSâ€“yrvM intergenic region of the Bacillus subtilis genome. Microbiology (United Kingdom), 2002, 148, 2591-2598.	0.7	36
24	In Vivo Domain-Based Functional Analysis of the Major Sporulation Sensor Kinase, KinA, in<i>Bacillus subtilis</i>. Journal of Bacteriology, 2009, 191, 5358-5368.	1.0	35
25	An Engineered <i>B.Âsubtilis</i> Inducible Promoter System with over 10â€¯000-Fold Dynamic Range. ACS Synthetic Biology, 2019, 8, 1673-1678.	1.9	35
26	Promoter Selectivity of the Bacillus subtilis RNA Polymerase ÂA and ÂH Holoenzymes. Journal of Biochemistry, 1998, 124, 89-97.	0.9	34
27	Slowdown of growth controls cellularÂdifferentiation. Molecular Systems Biology, 2016, 12, 871.	3.2	33
28	Single-cell measurement of the levels and distributions of the phosphorelay components in a population of sporulating Bacillus subtilis cells. Microbiology (United Kingdom), 2010, 156, 2294-2304.	0.7	31
29	Transcription of the cam operon and camR genes in Pseudomonas putida PpG1. Journal of Bacteriology, 1993, 175, 6953-6958.	1.0	26
30	In vivo functional characterization of the transmembrane histidine kinase KinC in Bacillus subtilis. Microbiology (United Kingdom), 2015, 161, 1092-1104.	0.7	25
31	Functional requirements of cellular differentiation: lessons from Bacillus subtilis. Current Opinion in Microbiology, 2016, 34, 38-46.	2.3	23
32	Transcriptional Profile during Deoxycholate-Induced Sporulation in a Clostridium perfringens Isolate Causing Foodborne Illness. Applied and Environmental Microbiology, 2016, 82, 2929-2942.	1.4	23
33	A novel sporulation-control gene (spo0M) of Bacillus subtilis with a ÏƒH-regulated promoter. Gene, 1998, 217, 31-40.	1.0	22
34	MecA dampens transitions to spore, biofilm exopolysaccharide and competence expression by two different mechanisms. Molecular Microbiology, 2011, 80, 1014-1030.	1.2	21
35	Nucleotide sequence and analysis of the phoB-rrnE-groESL region of the Bacillus subtilis chromosome. Microbiology (United Kingdom), 1997, 143, 1861-1866.	0.7	20
36	Transcription of thegroESLoperon inPseudomonas aeruginosaPAO1. FEMS Microbiology Letters, 1998, 163, 237-242.	0.7	19

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37	Purification and Characterization of a DNA-dependent RNA Polymerase from<i>Pseudomonas putida</i>. Bioscience, Biotechnology and Biochemistry, 1992, 56, 1797-1800.	0.6	17
38	Organization and transcription of the principal sigma gene (rpoDA) of Pseudomonas aeruginosa PAO1: involvement of a sigma 32-like RNA polymerase in rpoDA gene expression. Journal of Bacteriology, 1993, 175, 1069-1074.	1.0	17
39	Analysis of the rpoD gene encoding the principal sigma factor of Pseudomonas putida. Gene, 1995, 167, 93-98.	1.0	17
40	Lincomycin Resistance Mutations in Two Regions Immediately Downstream of the âˆ’10 Region of lmr Promoter Cause Overexpression of a Putative Multidrug Efflux Pump in Bacillus subtilis Mutants. Antimicrobial Agents and Chemotherapy, 2003, 47, 432-435.	1.4	16
41	In vitro transcription analysis ofrpoDinPseudomonas aeruginosaPAO1. FEMS Microbiology Letters, 1999, 180, 311-316.	0.7	14
42	Expression Level of a Chimeric Kinase Governs Entry into Sporulation in Bacillus subtilis. Journal of Bacteriology, 2011, 193, 6113-6122.	1.0	14
43	Transcription of the isoamylase gene (iam) in Pseudomonas amyloderamosa SB-15. Journal of Bacteriology, 1989, 171, 4320-4325.	1.0	13
44	Novel Modulators Controlling Entry into Sporulation in Bacillus subtilis. Journal of Bacteriology, 2013, 195, 1475-1483.	1.0	13
45	Deficiency of the Initiation Events of Sporulation in Bacillus subtilis clpP Mutant Can Be Suppressed by a Lack of the Spo0E Protein Phosphatase. Biochemical and Biophysical Research Communications, 2000, 279, 229-233.	1.0	12
46	The <scp>PAS</scp> domains of the major sporulation kinase in <i>Bacillus subtilis</i> play a role in tetramer formation that is essential for theÂautokinase activity. MicrobiologyOpen, 2017, 6, e00481.	1.2	11
47	Cloning of sporulation gene spoIVC in Bacillus subtilis. Molecular Genetics and Genomics, 1985, 199, 471-475.	2.4	10
48	In vivo expression of the Pseudomonas stutzeri maltotetraose-forming amylase gene (amyP). Journal of Bacteriology, 1990, 172, 1595-1599.	1.0	10
49	Evidence that Autophosphorylation of the Major Sporulation Kinase in Bacillus subtilis Is Able To Occur in trans. Journal of Bacteriology, 2015, 197, 2675-2684.	1.0	10
50	In VitroInteractions ofPseudomonasRNA Polymerases withtacand RNA I Promoters. Bioscience, Biotechnology and Biochemistry, 1992, 56, 1644-1648.	0.6	9
51	Heterologous expression of the cytochrome P450cam hydroxylase operon and the repressor gene ofPseudomonas putidainEscherichia coli. FEMS Microbiology Letters, 1994, 123, 49-54.	0.7	9
52	Restricted Transcription from Sigma H or Phosphorylated Spo0A Dependent Promoters in the Temperature-sensitivesecA341Mutant ofBacillus subtilis. Bioscience, Biotechnology and Biochemistry, 1998, 62, 1707-1713.	0.6	9
53	Bacillus subtilis Histidine Kinase KinC Activates Biofilm Formation by Controlling Heterogeneity of Single-Cell Responses. MBio, 2022, 13, e0169421.	1.8	9
54	Identification of new ÏƒK-dependent promoters using an in vitro transcription system derived from Bacillus subtilis. Gene, 1999, 237, 45-52.	1.0	8

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55	Transcription analysis of rpoH in Pseudomonas putida. FEMS Microbiology Letters, 2001, 205, 165-169.	0.7	8
56	Systematic Domain Deletion Analysis of the Major Sporulation Kinase in <i>Bacillus subtilis</i>. Journal of Bacteriology, 2010, 192, 1744-1748.	1.0	8
57	Analysis of HutP-dependent transcription antitermination in the Bacillus subtilis hut operon: identification of HutP binding sites on hut antiterminator RNA and the involvement of the N-terminus of HutP in binding of HutP to the antiterminator RNA. Molecular Microbiology, 2004, 51, 1155-1168.	1.2	7
58	A revised model for the control of fatty acid synthesis by master regulator Spo0A in <i>Bacillus subtilis</i>. Molecular Microbiology, 2018, 108, 424-442.	1.2	6
59	Characterization of an isoamylase-hyperproducing mutant of Pseudomonas amyloderamosa.. Agricultural and Biological Chemistry, 1990, 54, 2315-2321.	0.3	4
60	Identification and DNA sequencing of a new plasmid (pPST1) in Pseudomonas stutzeri MO-19. Plasmid, 1989, 22, 271-274.	0.4	3
61	Cloning and Sequencing of rpoH and Identification of ftsE-ftsX in Pseudomonas putida PpG1. DNA Research, 1999, 6, 241-245.	1.5	3
62	In vitro transcription system using reconstituted RNA polymerase (EÃÂƒ70, EÃÂƒH, EÃÂƒEand EÃÂƒS) ofPseudomonas aeruginosa. FEMS Microbiology Letters, 2000, 183, 253-257.	0.7	3
63	Characterization of an Isoamylase-hyperproducing Mutant of<i>Pseudomonas amyloderamosa</i>. Agricultural and Biological Chemistry, 1990, 54, 2315-2321.	0.3	1
64	In Vitro Transcriptional Analysis of the Cytochrome P-450cam Hydroxylase Operon.. Biological and Pharmaceutical Bulletin, 1999, 22, 1110-1112.	0.6	1
65	In vitro transcription analysis of rpoD in Pseudomonas aeruginosa PAO1. FEMS Microbiology Letters, 1999, 180, 311-316.	0.7	1