Ken-Ichi Yoshida

List of Publications by Year
in descending order

116	8,404	36	89
papers	citations	h-index	g-index
		101543	46799

117	117	117	7657
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conjugation Operons in Gram-Positive Bacteria with and without Antitermination Systems. Microorganisms, 2022, 10, 587.	3.6	2
2	A novel method for transforming Geobacillus kaustophilus with a chromosomal segment of Bacillus subtilis transferred via pLS20-dependent conjugation. Microbial Cell Factories, 2022, 21, 34.	4.0	1
3	Functional analysis of a gene cluster for putative bacteriocin deduced from the genome sequence of <i>Aeribacillus pallidus</i> PI8. Journal of General and Applied Microbiology, 2022, , .	0.7	1
4	Constitutive expression of the global regulator AbrB restores the growth defect of a genome-reduced <i>Bacillus subtilis</i> strain and improves its metabolite production. DNA Research, 2022, 29, .	3.4	1
5	Identification of a repressor for the two iol operons required for inositol catabolism in Geobacillus kaustophilus. Microbiology (United Kingdom), 2021, 167, .	1.8	1
6	Assessment of Bacillus subtilis Plasmid pLS20 Conjugation in the Absence of Quorum Sensing Repression. Microorganisms, 2021, 9, 1931.	3.6	4
7	Complete Genome Sequence of Nitrogen-Fixing <i>Paenibacillus</i> sp. Strain URB8-2, Isolated from the Rhizosphere of Wild Grass. Microbiology Resource Announcements, 2020, 9, .	0.6	1
8	Co-Inoculation of Bacillus velezensis Strain S141 and Bradyrhizobium Strains Promotes Nodule Growth and Nitrogen Fixation. Microorganisms, 2020, 8, 678.	3.6	44
9	A bacterial cell factory converting glucose into scyllo-inositol, a therapeutic agent for Alzheimerâ€™s disease. Communications Biology, 2020, 3, 93.	4.4	12
10	Engineering Bacillus subtilis Cells as Factories: Enzyme Secretion and Value-added Chemical Production. Biotechnology and Bioprocess Engineering, 2020, 25, 872-885.	2.6	10
11	Complete Genome Sequence of Thermophilic Bacterium Aeribacillus pallidus PI8. Microbiology Resource Announcements, 2020, 9, .	0.6	5
12	Production of <i>scyllo</i>-Inositol: Conversion of Rice Bran into a Promising Disease-Modifying Therapeutic Agent for Alzheimerâ€™s Disease. Journal of Nutritional Science and Vitaminology, 2019, 65, S139-S142.	0.6	2
13	Influences of N-linked glycosylation on the biochemical properties of aspartic protease from Aspergillus glaucus MA0196. Process Biochemistry, 2019, 79, 74-80.	3.7	10
14	Characterization and mutation analysis of a halotolerant serine protease from a new isolate of Bacillus subtilis. Biotechnology Letters, 2018, 40, 189-196.	2.2	6
15	Bradyrhizobium diazoefficiens USDA110 PhaR functions for pleiotropic regulation of cellular processes besides PHB accumulation. BMC Microbiology, 2018, 18, 156.	3.3	22
16	A novel method for transforming the thermophilic bacterium Geobacillus kaustophilus. Microbial Cell Factories, 2018, 17, 127.	4.0	5
17	Epigallocatechin gallate induces GLUT4 translocation in skeletal muscle through both PI3K- and AMPK-dependent pathways. Food and Function, 2018, 9, 4223-4233.	4.6	46
18	Rapid conjugative mobilization of a 100Âkb segment of Bacillus subtilis chromosomal DNA is mediated by a helper plasmid with no ability for self-transfer. Microbial Cell Factories, 2018, 17, 13.	4.0	9

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19	Heterologous expression and characterisation of the <i>Aspergillus</i> aspartic protease involved in the hydrolysis and decolorisation of redâ€pigmented proteins. Journal of the Science of Food and Agriculture, 2017, 97, 95-101.	3.5	12
20	<i>Bacillus subtilis iolU</i> encodes an additional NADP+-dependent <i>scyllo</i>-inositol dehydrogenase. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1026-1032.	1.3	10
21	Homology modeling and prediction of the amino acid residues participating in the transfer of acetyl-CoA to arylalkylamine by the N-acetyltransferase from Chryseobacterium sp.. Biotechnology Letters, 2017, 39, 1699-1707.	2.2	0
22	Genome Sequence of Bacillus velezensis S141, a New Strain of Plant Growth-Promoting Rhizobacterium Isolated from Soybean Rhizosphere. Genome Announcements, 2017, 5, .	0.8	15
23	A new-generation of Bacillus subtilis cell factory for further elevated scyllo-inositol production. Microbial Cell Factories, 2017, 16, 67.	4.0	21
24	Bacillus subtilis IolQ (DegA) is a transcriptional repressor of iolX encoding NAD+-dependent scyllo-inositol dehydrogenase. BMC Microbiology, 2017, 17, 154.	3.3	5
25	Taurine does not affect the composition, diversity, or metabolism of human colonic microbiota simulated in a single-batch fermentation system. PLoS ONE, 2017, 12, e0180991.	2.5	19
26	Bacillus subtilis 5â€²-nucleotidases with various functions and substrate specificities. BMC Microbiology, 2016, 16, 249.	3.3	18
27	A Single-Batch Fermentation System to Simulate Human Colonic Microbiota for High-Throughput Evaluation of Prebiotics. PLoS ONE, 2016, 11, e0160533.	2.5	92
28	Characterization of the native form and the carboxyâ€terminally truncated halotolerant form of Î±â€amylases from <i>Bacillus subtilis</i> strain FPâ€133. Journal of Basic Microbiology, 2015, 55, 780-789.	3.3	18
29	Enhanced secretion of natto phytase by <i>Bacillus subtilis</i>. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1906-1914.	1.3	22
30	Catechins in tea suppress the activity of cytochrome P450 1A1 through the aryl hydrocarbon receptor activation pathway in rat livers. International Journal of Food Sciences and Nutrition, 2015, 66, 300-307.	2.8	13
31	Polyamino acid display on cell surfaces enhances salt and alcohol tolerance of Escherichia coli. Biotechnology Letters, 2015, 37, 429-435.	2.2	2
32	Hyperphosphorylation of DegU cancels CcpA-dependent catabolite repression of rocG in Bacillus subtilis. BMC Microbiology, 2015, 15, 43.	3.3	6
33	Secretion of heterologous thermostable cellulases in Bacillus subtilis. Journal of General and Applied Microbiology, 2014, 60, 175-182.	0.7	17
34	A second-generation<i>Bacillus</i>cell factory for rare inositol production. Bioengineered, 2014, 5, 331-334.	3.2	19
35	Molecular Characterization of a Novel <i>N</i> -Acetyltransferase from Chryseobacterium sp. Applied and Environmental Microbiology, 2014, 80, 1770-1776.	3.1	3
36	Comparison of three tannases cloned from closely related lactobacillus species: L. Plantarum, L. Paraplantarum, and L. Pentosus. BMC Microbiology, 2014, 14, 87.	3.3	28

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37	An improved Bacillus subtilis cell factory for producing scyllo-inositol, a promising therapeutic agent for Alzheimerâ€™s disease. Microbial Cell Factories, 2013, 12, 124.	4.0	18
38	PhaP phasins play a principal role in poly-Î²-hydroxybutyrate accumulation in free-living Bradyrhizobium japonicum. BMC Microbiology, 2013, 13, 290.	3.3	17
39	Genome mining and motif modifications of glycoside hydrolase family 1 members encoded by Geobacillus kaustophilus HTA426 provide thermostable 6-phospho-Î²-glycosidase and Î²-fucosidase. Applied Microbiology and Biotechnology, 2013, 97, 2929-2938.	3.6	9
40	Enantioselective N-acetylation of 2-phenylglycine by an unusual N-acetyltransferase from Chryseobacterium sp.. Biotechnology Letters, 2013, 35, 1053-1059.	2.2	5
41	Detection of Orally Administered Inositol Stereoisomers in Mouse Blood Plasma and Their Effects on Translocation of Glucose Transporter 4 in Skeletal Muscle Cells. Journal of Agricultural and Food Chemistry, 2013, 61, 4850-4854.	5.2	17
42	Polysaccharide-Degrading Thermophiles Generated by Heterologous Gene Expression in Geobacillus kaustophilus HTA426. Applied and Environmental Microbiology, 2013, 79, 5151-5158.	3.1	36
43	Alkaline Serine Protease AprE Plays an Essential Role in Poly-Î³-glutamate Production during Natto Fermentation. Bioscience, Biotechnology and Biochemistry, 2013, 77, 802-809.	1.3	24
44	Motif-Guided Identification of a Glycoside Hydrolase Family 1 Î±-<scp>L</scp>-Arabinofuranosidase in<i>Bifidobacterium adolescentis</i>. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1709-1714.	1.3	17
45	Counterselection System for Geobacillus kaustophilus HTA426 through Disruption ofpyrFandpyrR. Applied and Environmental Microbiology, 2012, 78, 7376-7383.	3.1	40
46	Three inositol dehydrogenases involved in utilization and interconversion of inositol stereoisomers in a thermophile, Geobacillus kaustophilus HTA426. Microbiology (United Kingdom), 2012, 158, 1942-1952.	1.8	19
47	Enhanced production of 2,3-butanediol by engineered Bacillus subtilis. Applied Microbiology and Biotechnology, 2012, 94, 651-658.	3.6	68
48	Organic solvent-tolerant elastase efficiently hydrolyzes insoluble, cross-linked, protein fiber of eggshell membranes. Biotechnology Letters, 2012, 34, 949-955.	2.2	6
49	Antagonistic Effect of the Ainuâ€Selected Traditional Beneficial Plants on the Transformation of an Aryl Hydrocarbon Receptor. Journal of Food Science, 2012, 77, C420-9.	3.1	2
50	Genetic Transformation of Geobacillus kaustophilus HTA426 by Conjugative Transfer of Host-Mimicking Plasmids. Journal of Microbiology and Biotechnology, 2012, 22, 1279-1287.	2.1	33
51	A cell factory of Bacillus subtilis engineered for the simple bioconversion of myo-inositol to scyllo-inositol, a potential therapeutic agent for Alzheimer's disease. Microbial Cell Factories, 2011, 10, 69.	4.0	34
52	Molecular Cloning and Sequence Analysis of Two Distinct Halotolerant Extracellular Proteases fromBacillus subtilisFP-133. Bioscience, Biotechnology and Biochemistry, 2011, 75, 148-151.	1.3	14
53	Improvement of Transformation Efficiency by Strategic Circumvention of Restriction Barriers in Streptomyces griseus. Journal of Microbiology and Biotechnology, 2011, 21, 675-678.	2.1	14
54	Accumulation of gene-targeted Bacillus subtilis mutations that enhance fermentative inosine production. Applied Microbiology and Biotechnology, 2010, 87, 2195-2207.	3.6	34

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55	Transcriptional regulation of the Bacillus subtilis asnH operon and role of the 5â€²-proximal long sequence triplication in RNA stabilization. Microbiology (United Kingdom), 2010, 156, 1632-1641.	1.8	3
56	Identification of two scyllo-inositol dehydrogenases in Bacillus subtilis. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	1.8	35
57	2,3,7,8-Tetrachlorodibenzo-p-Dioxin Impairs an Insulin Signaling Pathway through the Induction of Tumor Necrosis Factor-Î± in Adipocytes. Toxicological Sciences, 2010, 115, 482-491.	3.1	45
58	<scp>D</scp>-Pinitol and<i>myo</i>-Inositol Stimulate Translocation of Glucose Transporter 4 in Skeletal Muscle of C57BL/6 Mice. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1062-1067.	1.3	89
59	Differential Substrate Specificity of Two Inositol Transporters of<i>Bacillus subtilis</i>. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1312-1314.	1.3	12
60	Green and Black Tea Suppress Hyperglycemia and Insulin Resistance by Retaining the Expression of Glucose Transporter 4 in Muscle of High-Fat Diet-Fed C57BL/6J Mice. Journal of Agricultural and Food Chemistry, 2010, 58, 12916-12923.	5.2	69
61	Suppression mechanisms of flavonoids on aryl hydrocarbon receptor-mediated signal transduction. Archives of Biochemistry and Biophysics, 2010, 501, 134-141.	3.0	45
62	Tea catechins modulate the glucose transport system in 3T3-L1 adipocytes. Food and Function, 2010, 1, 167.	4.6	47
63	Insulin-Mimetic Activity of Inositol Derivatives Depends on Phosphorylation of PKCÎ¶/Î» in L6 Myotubes. , 2010, , 327-331.		0
64	Aryl hydrocarbon receptor-mediated induction of the cytosolic phospholipase A2Î± gene by 2,3,7,8-tetrachlorodibenzo-p-dioxin in mouse hepatoma Hepa-1c1c7 cells. Journal of Bioscience and Bioengineering, 2009, 108, 277-281.	2.2	13
65	Subcellular localization of flavonol aglycone in hepatocytes visualized by confocal laser scanning fluorescence microscope. Cytotechnology, 2009, 59, 177-182.	1.6	33
66	Discovery of Novel 2â€²,3â€²,4â€²-Trihydroxy-2-phenylacetophenone Derivatives as Anti-Gram-Positive Antibacterial Agents. Bioscience, Biotechnology and Biochemistry, 2009, 73, 124-128.	1.3	7
67	Antagonistic and agonistic effects of indigoids on the transformation of an aryl hydrocarbon receptor. Archives of Biochemistry and Biophysics, 2008, 470, 187-199.	3.0	31
68	Epigallocatechin gallate promotes GLUT4 translocation in skeletal muscle. Biochemical and Biophysical Research Communications, 2008, 377, 286-290.	2.1	107
69	Cacao Polyphenol Extract Suppresses Transformation of an Aryl Hydrocarbon Receptor in C57BL/6 Mice. Journal of Agricultural and Food Chemistry, 2008, 56, 10399-10405.	5.2	14
70	Identification of Two Major Ammonia-Releasing Reactions Involved in Secondary Natto Fermentation. Bioscience, Biotechnology and Biochemistry, 2008, 72, 1869-1876.	1.3	39
71	myo-Inositol Catabolism in Bacillus subtilis. Journal of Biological Chemistry, 2008, 283, 10415-10424.	3.4	108
72	High-throughput evaluation of aryl hydrocarbon receptor-binding sites selected via chromatin immunoprecipitation-based screening in Hepa-1c1c7 cells stimulated with 2,3,7,8-tetrachlorodibenzo-p-dioxin. Genes and Genetic Systems, 2008, 83, 455-468.	0.7	16

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73	Inositol Derivatives Stimulate Glucose Transport in Muscle Cells. , 2008, , 217-222.		2
74	Dual Regulation of the Bacillus subtilis Regulon Comprising the lmrAB and yxaGH Operons and yxaF Gene by Two Transcriptional Repressors, LmrA and YxaF, in Response to Flavonoids. Journal of Bacteriology, 2007, 189, 5170-5182.	2.2	28
75	Curcumin suppresses the transformation of an aryl hydrocarbon receptor through its phosphorylation. Archives of Biochemistry and Biophysics, 2007, 466, 267-273.	3.0	58
76	Interaction between the aryl hydrocarbon receptor and its antagonists, flavonoids. Biochemical and Biophysical Research Communications, 2007, 359, 822-827.	2.1	53
77	Rat L6 myotubes as an inÂvitro model system to study GLUT4-dependent glucose uptake stimulated by inositol derivatives. Cytotechnology, 2007, 55, 103-108.	1.6	70
78	Molokhia (Corchorus olitorius L.) extract suppresses transformation of the aryl hydrocarbon receptor induced by dioxins. Food and Chemical Toxicology, 2006, 44, 250-260.	3.6	34
79	Predicting metals sensed by ArsRâ€SmtB repressors: allosteric interference by a nonâ€effector metal. Molecular Microbiology, 2006, 59, 1341-1356.	2.5	40
80	Functionalmyo-Inositol Catabolic Genes ofBacillus subtilisNatto Are Involved in Depletion of Pinitol in Natto (Fermented Soybean). Bioscience, Biotechnology and Biochemistry, 2006, 70, 1913-1920.	1.3	12
81	Identification of a Functional 2-keto-myo-Inositol Dehydratase Gene ofSinorhizobium frediiUSDA191 Required formyo-Inositol Utilization. Bioscience, Biotechnology and Biochemistry, 2006, 70, 2957-2964.	1.3	4
82	Genetic Modification of Bacillus subtilis for Production of d - chiro -Inositol, an Investigational Drug Candidate for Treatment of Type 2 Diabetes and Polycystic Ovary Syndrome. Applied and Environmental Microbiology, 2006, 72, 1310-1315.	3.1	54
83	Screening of indigenous plants from Japan for modulating effects on transformation of the aryl hydrocarbon receptor. Asian Pacific Journal of Cancer Prevention, 2006, 7, 208-20.	1.2	4
84	Suppressive Effects of Ethanolic Extracts from Propolis and Its Main Botanical Origin on Dioxin Toxicity. Journal of Agricultural and Food Chemistry, 2005, 53, 10306-10309.	5.2	26
85	Bacillus subtilis LmrA Is a Repressor of the lmrAB and yxaGH Operons: Identification of Its Binding Site and Functional Analysis of lmrB and yxaGH. Journal of Bacteriology, 2004, 186, 5640-5648.	2.2	26
86	Negative Transcriptional Regulation of the <i>ilv-leu</i> Operon for Biosynthesis of Branched-Chain Amino Acids through the <i>Bacillus subtilis</i> Global Regulator TnrA. Journal of Bacteriology, 2004, 186, 7971-7979.	2.2	34
87	The fifth gene of the iol operon of Bacillus subtilis, iolE, encodes 2-keto-myo-inositol dehydratase. Microbiology (United Kingdom), 2004, 150, 571-580.	1.8	46
88	DNA microarray analysis ofBacillus subtilissigma factors of extracytoplasmic function family. FEMS Microbiology Letters, 2003, 220, 155-160.	1.8	63
89	Identification of additional TnrAâ€regulated genes of <i>Bacillus subtilis</i> associated with a TnrA box. Molecular Microbiology, 2003, 49, 157-165.	2.5	90
90	Essential <i>Bacillus</i> <i>subtilis</i> genes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 4678-4683.	7.1	1,261

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91	Organization and Expression of the Bacillus subtilis sigY Operon. Journal of Biochemistry, 2003, 134, 935-946.	1.7	22
92	The Bacillus subtilis ywkA gene encodes a malic enzyme and its transcription is activated by the YufL/YufM two-component system in response to malate. Microbiology (United Kingdom), 2003, 149, 2331-2343.	1.8	52
93	ã‚²ãƒŽãƒ æƒ…å±ã«åŸºã¥ãæž¯è‰èŒã®é€†é¢ä¼å¦çš„ç”ç©¶. Nippon Nogeikagaku Kaishi, 2003, 77, 12-17.	0.0	0
94	Identification of Two myo-Inositol Transporter Genes of Bacillus subtilis. Journal of Bacteriology, 2002, 184, 983-991.	2.2	50
95	Combined transcriptome and proteome analysis as a powerful approach to study genes under glucose repression in Bacillus subtilis. Nucleic Acids Research, 2001, 29, 683-692.	14.5	217
96	Comprehensive DNA Microarray Analysis of <i>Bacillus subtilis</i> Two-Component Regulatory Systems. Journal of Bacteriology, 2001, 183, 7365-7370.	2.2	130
97	DNA microarray analysis of Bacillus subtilis DegU, ComA and PhoP regulons: an approach to comprehensive analysis of B.subtilis two-component regulatory systems. Nucleic Acids Research, 2001, 29, 3804-3813.	14.5	184
98	DBTBS: a database of Bacillus subtilis promoters and transcription factors. Nucleic Acids Research, 2001, 29, 278-280.	14.5	70
99	An Operon for a Putative ATP-Binding Cassette Transport System Involved in Acetoin Utilization of <i>Bacillus subtilis</i>. Journal of Bacteriology, 2000, 182, 5454-5461.	2.2	45
100	Systematic study of gene expression and transcription organization in the gntZâ€"ywaA region of the Bacillus subtilis genome. Microbiology (United Kingdom), 2000, 146, 573-579.	1.8	52
101	Interaction of a Repressor and its Binding Sites for Regulation of the Bacillussubtilis iol Divergon. Journal of Molecular Biology, 1999, 285, 917-929.	4.2	57
102	Three Asparagine Synthetase Genes of <i>Bacillus subtilis</i>. Journal of Bacteriology, 1999, 181, 6081-6091.	2.2	48
103	Identification and Expression of the Bacillus subtilis Fructose-1,6-Bisphosphatase Gene (fbp). Journal of Bacteriology, 1998, 180, 4309-4313.	2.2	39
104	Cytochrome <i>bd</i> Biosynthesis in <i>Bacillus subtilis</i> : Characterization of the <i>cydABCD</i> Operon. Journal of Bacteriology, 1998, 180, 6571-6580.	2.2	98
105	Organization and transcription of the myo-inositol operon, iol, of Bacillus subtilis. Journal of Bacteriology, 1997, 179, 4591-4598.	2.2	132
106	The complete genome sequence of the Gram-positive bacterium Bacillus subtilis. Nature, 1997, 390, 249-256.	27.8	3,519
107	Analysis of an insertional operator mutation (gntOi) that affects the expression level of theBacillus subtilis gnt operon, and characterization ofgntOi suppressor mutations. Molecular Genetics and Genomics, 1995, 248, 583-591.	2.4	9
108	Bacillus subtilis gnt repressor mutants that diminish gluconate-binding ability. Journal of Bacteriology, 1995, 177, 4813-4816.	2.2	10

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109	Cloning and Sequencing of a 36-kb Region of the Bacillus subtilis Genome between the gnt and iol Operons. DNA Research, 1995, 2, 61-69.	3.4	32
110	Nucleotide Sequence and Features of the Bacillus licheniformis gnt Operon. DNA Research, 1994, 1, 157-162.	3.4	7
111	Missense Mutations in the Bacillus subtilis gnt Repressor that Diminish Operator Binding Ability. Journal of Molecular Biology, 1993, 231, 167-174.	4.2	30
112	Importance of the Central Region of 130-kDa Insecticidal Proteins ofBacillus thuringiensisvar.israelensisfor Their Activityin Vivoandin Vitro. Bioscience, Biotechnology and Biochemistry, 1993, 57, 584-590.	1.3	2
113	Binding of an Engineered 130-kDa Insecticidal Protein ofBacillus thuringiensisvar.israelensisto Insect Cell Lines. Bioscience, Biotechnology and Biochemistry, 1993, 57, 1200-1201.	1.3	0
114	Transcriptional regulation of Bacillus thuringiensis subsp. israelensis mosquito larvicidal crystal protein gene cryIVA. Journal of Bacteriology, 1993, 175, 2750-2753.	2.2	42
115	Effects ofBacillus thuringiensisvar.israelensis20-kDa Protein on Production of theBti130-kDa Crystal Protein inEscherichia coli. Bioscience, Biotechnology and Biochemistry, 1992, 56, 1429-1433.	1.3	28
116	Insecticidal Activity of a Peptide Containing the 30th to 695th Amino Acid Residues of the 130-kDa Protein of<i>Bacillus thuringiensis</i>var.<i>israelensis</i>. Agricultural and Biological Chemistry, 1989, 53, 2121-2127.	0.3	1