

Ken-Ichi Yoshida

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

112
papers

7,199
citations

33
h-index

84
g-index

117
ext. papers

7,744
ext. citations

4.6
avg, IF

4.79
L-index

#	Paper	IF	Citations
112	A novel method for transforming <i>Geobacillus kaustophilus</i> with a chromosomal segment of <i>Bacillus subtilis</i> transferred via pLS20-dependent conjugation.. <i>Microbial Cell Factories</i> , 2022 , 21, 34	6.4	
111	Identification of a repressor for the two operons required for inositol catabolism in. <i>Microbiology (United Kingdom)</i> , 2021 , 167,	2.9	1
110	Assessment of Plasmid pLS20 Conjugation in the Absence of Quorum Sensing Repression. <i>Microorganisms</i> , 2021 , 9,	4.9	1
109	Co-Inoculation of Strain S141 and Strains Promotes Nodule Growth and Nitrogen Fixation. <i>Microorganisms</i> , 2020 , 8,	4.9	19
108	A bacterial cell factory converting glucose into scyllo-inositol, a therapeutic agent for Alzheimer's disease. <i>Communications Biology</i> , 2020 , 3, 93	6.7	4
107	Complete Genome Sequence of Thermophilic Bacterium <i>Aeribacillus pallidus</i> P18. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	2
106	Engineering <i>Bacillus subtilis</i> Cells as Factories: Enzyme Secretion and Value-added Chemical Production. <i>Biotechnology and Bioprocess Engineering</i> , 2020 , 25, 872-885	3.1	3
105	Production of scyllo-Inositol: Conversion of Rice Bran into a Promising Disease-Modifying Therapeutic Agent for Alzheimer's Disease. <i>Journal of Nutritional Science and Vitaminology</i> , 2019 , 65, S139-S142	1.1	2
104	Influences of N-linked glycosylation on the biochemical properties of aspartic protease from <i>Aspergillus glaucus</i> MA0196. <i>Process Biochemistry</i> , 2019 , 79, 74-80	4.8	7
103	Characterization and mutation analysis of a halotolerant serine protease from a new isolate of <i>Bacillus subtilis</i> . <i>Biotechnology Letters</i> , 2018 , 40, 189-196	3	3
102	Epigallocatechin gallate induces GLUT4 translocation in skeletal muscle through both PI3K- and AMPK-dependent pathways. <i>Food and Function</i> , 2018 , 9, 4223-4233	6.1	25
101	Rapid conjugative mobilization of a 100kb segment of <i>Bacillus subtilis</i> chromosomal DNA is mediated by a helper plasmid with no ability for self-transfer. <i>Microbial Cell Factories</i> , 2018 , 17, 13	6.4	7
100	<i>Bradyrhizobium diazoefficiens</i> USDA110 PhaR functions for pleiotropic regulation of cellular processes besides PHB accumulation. <i>BMC Microbiology</i> , 2018 , 18, 156	4.5	10
99	A novel method for transforming the thermophilic bacterium <i>Geobacillus kaustophilus</i> . <i>Microbial Cell Factories</i> , 2018 , 17, 127	6.4	4
98	Heterologous expression and characterisation of the <i>Aspergillus</i> aspartic protease involved in the hydrolysis and decolorisation of red-pigmented proteins. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 95-101	4.3	9
97	<i>Bacillus subtilis</i> iolU encodes an additional NADP-dependent scyllo-inositol dehydrogenase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017 , 81, 1026-1032	2.1	6
96	<i>Bacillus subtilis</i> iolQ (DegA) is a transcriptional repressor of iolX encoding NAD-dependent scyllo-inositol dehydrogenase. <i>BMC Microbiology</i> , 2017 , 17, 154	4.5	4

95	Taurine does not affect the composition, diversity, or metabolism of human colonic microbiota simulated in a single-batch fermentation system. <i>PLoS ONE</i> , 2017 , 12, e0180991	3.7	9
94	Homology modeling and prediction of the amino acid residues participating in the transfer of acetyl-CoA to arylalkylamine by the N-acetyltransferase from <i>Chryseobacterium</i> sp. <i>Biotechnology Letters</i> , 2017 , 39, 1699-1707	3	
93	Genome Sequence of S141, a New Strain of Plant Growth-Promoting Rhizobacterium Isolated from Soybean Rhizosphere. <i>Genome Announcements</i> , 2017 , 5,		8
92	A new-generation of <i>Bacillus subtilis</i> cell factory for further elevated scyllo-inositol production. <i>Microbial Cell Factories</i> , 2017 , 16, 67	6.4	14
91	<i>Bacillus subtilis</i> 5S nucleotidases with various functions and substrate specificities. <i>BMC Microbiology</i> , 2016 , 16, 249	4.5	14
90	A Single-Batch Fermentation System to Simulate Human Colonic Microbiota for High-Throughput Evaluation of Prebiotics. <i>PLoS ONE</i> , 2016 , 11, e0160533	3.7	58
89	Hyperphosphorylation of DegU cancels CcpA-dependent catabolite repression of rocG in <i>Bacillus subtilis</i> . <i>BMC Microbiology</i> , 2015 , 15, 43	4.5	2
88	Characterization of the native form and the carboxy-terminally truncated halotolerant form of α -amylases from <i>Bacillus subtilis</i> strain FP-133. <i>Journal of Basic Microbiology</i> , 2015 , 55, 780-9	2.7	16
87	Enhanced secretion of natto phytase by <i>Bacillus subtilis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 1906-14	2.1	16
86	Catechins in tea suppress the activity of cytochrome P450 1A1 through the aryl hydrocarbon receptor activation pathway in rat livers. <i>International Journal of Food Sciences and Nutrition</i> , 2015 , 66, 300-7	3.7	10
85	Polyamino acid display on cell surfaces enhances salt and alcohol tolerance of <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2015 , 37, 429-35	3	2
84	Comparison of three tannases cloned from closely related lactobacillus species: <i>L. Plantarum</i> , <i>L. Paraplantarum</i> , and <i>L. Pentosus</i> . <i>BMC Microbiology</i> , 2014 , 14, 87	4.5	21
83	Secretion of heterologous thermostable cellulases in <i>Bacillus subtilis</i> . <i>Journal of General and Applied Microbiology</i> , 2014 , 60, 175-82	1.5	13
82	A second-generation <i>Bacillus</i> cell factory for rare inositol production. <i>Bioengineered</i> , 2014 , 5, 331-4	5.7	12
81	Molecular characterization of a novel N-acetyltransferase from <i>Chryseobacterium</i> sp. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 1770-6	4.8	3
80	An improved <i>Bacillus subtilis</i> cell factory for producing scyllo-inositol, a promising therapeutic agent for Alzheimer's disease. <i>Microbial Cell Factories</i> , 2013 , 12, 124	6.4	13
79	PhaP phasins play a principal role in poly- β -hydroxybutyrate accumulation in free-living <i>Bradyrhizobium japonicum</i> . <i>BMC Microbiology</i> , 2013 , 13, 290	4.5	14
78	Genome mining and motif modifications of glycoside hydrolase family 1 members encoded by <i>Geobacillus kaustophilus</i> HTA426 provide thermostable 6-phospho- β -glycosidase and β -fucosidase. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 2929-38	5.7	8

77	Enantioselective N-acetylation of 2-phenylglycine by an unusual N-acetyltransferase from <i>Chryseobacterium</i> sp. <i>Biotechnology Letters</i> , 2013 , 35, 1053-9	3	5
76	Detection of orally administered inositol stereoisomers in mouse blood plasma and their effects on translocation of glucose transporter 4 in skeletal muscle cells. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 4850-4	5.7	15
75	Polysaccharide-degrading thermophiles generated by heterologous gene expression in <i>Geobacillus kaustophilus</i> HTA426. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 5151-8	4.8	30
74	Alkaline serine protease AprE plays an essential role in poly- γ -glutamate production during natto fermentation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 802-9	2.1	16
73	Motif-guided identification of a glycoside hydrolase family 1 β -L-arabinofuranosidase in <i>Bifidobacterium adolescentis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 1709-14	2.1	11
72	Three inositol dehydrogenases involved in utilization and interconversion of inositol stereoisomers in a thermophile, <i>Geobacillus kaustophilus</i> HTA426. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 1942-1952	2.9	17
71	Enhanced production of 2,3-butanediol by engineered <i>Bacillus subtilis</i> . <i>Applied Microbiology and Biotechnology</i> , 2012 , 94, 651-8	5.7	61
70	Organic solvent-tolerant elastase efficiently hydrolyzes insoluble, cross-linked, protein fiber of eggshell membranes. <i>Biotechnology Letters</i> , 2012 , 34, 949-55	3	4
69	Antagonistic effect of the Ainu-selected traditional beneficial plants on the transformation of an aryl hydrocarbon receptor. <i>Journal of Food Science</i> , 2012 , 77, C420-9	3.4	2
68	Counterselection system for <i>Geobacillus kaustophilus</i> HTA426 through disruption of <i>pyrF</i> and <i>pyrR</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 7376-83	4.8	34
67	Genetic transformation of <i>Geobacillus kaustophilus</i> HTA426 by conjugative transfer of host-mimicking plasmids. <i>Journal of Microbiology and Biotechnology</i> , 2012 , 22, 1279-87	3.3	27
66	A cell factory of <i>Bacillus subtilis</i> engineered for the simple bioconversion of myo-inositol to scyllo-inositol, a potential therapeutic agent for Alzheimer's disease. <i>Microbial Cell Factories</i> , 2011 , 10, 69	6.4	25
65	Molecular cloning and sequence analysis of two distinct halotolerant extracellular proteases from <i>Bacillus subtilis</i> FP-133. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011 , 75, 148-51	2.1	11
64	Improvement of transformation efficiency by strategic circumvention of restriction barriers in <i>Streptomyces griseus</i> . <i>Journal of Microbiology and Biotechnology</i> , 2011 , 21, 675-8	3.3	10
63	Transcriptional regulation of the <i>Bacillus subtilis</i> <i>asnH</i> operon and role of the 5S proximal long sequence triplication in RNA stabilization. <i>Microbiology (United Kingdom)</i> , 2010 , 156, 1632-1641	2.9	2
62	Identification of two scyllo-inositol dehydrogenases in <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2010 , 156, 1538-1546	2.9	28
61	2,3,7,8-tetrachlorodibenzo-p-dioxin impairs an insulin signaling pathway through the induction of tumor necrosis factor- α in adipocytes. <i>Toxicological Sciences</i> , 2010 , 115, 482-91	4.4	38
60	D-pinitol and myo-inositol stimulate translocation of glucose transporter 4 in skeletal muscle of C57BL/6 mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 1062-7	2.1	77

59	Differential substrate specificity of two inositol transporters of <i>Bacillus subtilis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 1312-4	2.1	11
58	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. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 12916-23	5.7	55
57	Suppression mechanisms of flavonoids on aryl hydrocarbon receptor-mediated signal transduction. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 501, 134-41	4.1	41
56	Tea catechins modulate the glucose transport system in 3T3-L1 adipocytes. <i>Food and Function</i> , 2010 , 1, 167-73	6.1	36
55	Accumulation of gene-targeted <i>Bacillus subtilis</i> mutations that enhance fermentative inosine production. <i>Applied Microbiology and Biotechnology</i> , 2010 , 87, 2195-207	5.7	26
54	Insulin-Mimetic Activity of Inositol Derivatives Depends on Phosphorylation of PKC β in L6 Myotubes 2010 , 327-331		
53	Aryl hydrocarbon receptor-mediated induction of the cytosolic phospholipase A(2) α gene by 2,3,7,8-tetrachlorodibenzo-p-dioxin in mouse hepatoma Hepa-1c1c7 cells. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, 277-81	3.3	13
52	Subcellular localization of flavonol aglycone in hepatocytes visualized by confocal laser scanning fluorescence microscope. <i>Cytotechnology</i> , 2009 , 59, 177-82	2.2	26
51	Discovery of novel 2 β -hydroxy-2-phenylacetophenone derivatives as anti-gram-positive antibacterial agents. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 124-8	2.1	6
50	Antagonistic and agonistic effects of indigoids on the transformation of an aryl hydrocarbon receptor. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 470, 187-99	4.1	30
49	Epigallocatechin gallate promotes GLUT4 translocation in skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 377, 286-90	3.4	95
48	Cacao polyphenol extract suppresses transformation of an aryl hydrocarbon receptor in C57BL/6 mice. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 10399-405	5.7	13
47	Identification of two major ammonia-releasing reactions involved in secondary natto fermentation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008 , 72, 1869-76	2.1	26
46	myo-Inositol catabolism in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2008 , 283, 10415-24	5.4	94
45	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. <i>Genes and Genetic Systems</i> , 2008 , 83, 455-68	1.4	16
44	Inositol Derivatives Stimulate Glucose Transport in Muscle Cells 2008 , 217-222		1
43	Rat L6 myotubes as an in vitro model system to study GLUT4-dependent glucose uptake stimulated by inositol derivatives. <i>Cytotechnology</i> , 2007 , 55, 103-8	2.2	58
42	Dual regulation of the <i>Bacillus subtilis</i> regulon comprising the <i>lmrAB</i> and <i>yxaGH</i> operons and <i>yxaF</i> gene by two transcriptional repressors, <i>LmrA</i> and <i>YxaF</i> , in response to flavonoids. <i>Journal of Bacteriology</i> , 2007 , 189, 5170-82	3.5	25

41	Curcumin suppresses the transformation of an aryl hydrocarbon receptor through its phosphorylation. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 466, 267-73	4.1	45
40	Interaction between the aryl hydrocarbon receptor and its antagonists, flavonoids. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 359, 822-7	3.4	45
39	Functional myo-inositol catabolic genes of <i>Bacillus subtilis</i> Natto are involved in depletion of pinitol in Natto (fermented soybean). <i>Bioscience, Biotechnology and Biochemistry</i> , 2006 , 70, 1913-20	2.1	12
38	Identification of a functional 2-keto-myo-inositol dehydratase gene of <i>Sinorhizobium fredii</i> USDA191 required for myo-inositol utilization. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006 , 70, 2957-64	2.1	4
37	Genetic modification of <i>Bacillus subtilis</i> for production of D-chiro-inositol, an investigational drug candidate for treatment of type 2 diabetes and polycystic ovary syndrome. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 1310-5	4.8	46
36	Molokhia (<i>Corchorus olitorius</i> L.) extract suppresses transformation of the aryl hydrocarbon receptor induced by dioxins. <i>Food and Chemical Toxicology</i> , 2006 , 44, 250-60	4.7	31
35	Predicting metals sensed by ArsR-SmtB repressors: allosteric interference by a non-effector metal. <i>Molecular Microbiology</i> , 2006 , 59, 1341-56	4.1	35
34	Screening of indigenous plants from Japan for modulating effects on transformation of the aryl hydrocarbon receptor. <i>Asian Pacific Journal of Cancer Prevention</i> , 2006 , 7, 208-20	1.7	3
33	Suppressive effects of ethanolic extracts from propolis and its main botanical origin on dioxin toxicity. <i>Journal of Agricultural and Food Chemistry</i> , 2005 , 53, 10306-9	5.7	22
32	<i>Bacillus subtilis</i> LmrA is a repressor of the lmrAB and yxaGH operons: identification of its binding site and functional analysis of lmrB and yxaGH. <i>Journal of Bacteriology</i> , 2004 , 186, 5640-8	3.5	20
31	Negative transcriptional regulation of the ilv-leu operon for biosynthesis of branched-chain amino acids through the <i>Bacillus subtilis</i> global regulator TnrA. <i>Journal of Bacteriology</i> , 2004 , 186, 7971-9	3.5	29
30	The fifth gene of the iol operon of <i>Bacillus subtilis</i> , iolE, encodes 2-keto-myo-inositol dehydratase. <i>Microbiology (United Kingdom)</i> , 2004 , 150, 571-580	2.9	33
29	?????????????????????. <i>Nippon Nogeikagaku Kaishi</i> , 2003 , 77, 12-17		
28	DNA microarray analysis of <i>Bacillus subtilis</i> sigma factors of extracytoplasmic function family. <i>FEMS Microbiology Letters</i> , 2003 , 220, 155-60	2.9	58
27	Identification of additional TnrA-regulated genes of <i>Bacillus subtilis</i> associated with a TnrA box. <i>Molecular Microbiology</i> , 2003 , 49, 157-65	4.1	76
26	Essential <i>Bacillus subtilis</i> genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 4678-83	11.5	1115
25	Organization and expression of the <i>Bacillus subtilis</i> sigY operon. <i>Journal of Biochemistry</i> , 2003 , 134, 935-46	3.6	21
24	The <i>Bacillus subtilis</i> ywKA gene encodes a malic enzyme and its transcription is activated by the YufL/YufM two-component system in response to malate. <i>Microbiology (United Kingdom)</i> , 2003 , 149, 2331-2343	2.9	45

23	Identification of two myo-inositol transporter genes of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2002 , 184, 983-91	3.5	44
22	Comprehensive DNA microarray analysis of <i>Bacillus subtilis</i> two-component regulatory systems. <i>Journal of Bacteriology</i> , 2001 , 183, 7365-70	3.5	115
21	DNA microarray analysis of <i>Bacillus subtilis</i> DegU, ComA and PhoP regulons: an approach to comprehensive analysis of <i>B. subtilis</i> two-component regulatory systems. <i>Nucleic Acids Research</i> , 2001 , 29, 3804-13	20.1	160
20	DBTBS: a database of <i>Bacillus subtilis</i> promoters and transcription factors. <i>Nucleic Acids Research</i> , 2001 , 29, 278-80	20.1	65
19	Combined transcriptome and proteome analysis as a powerful approach to study genes under glucose repression in <i>Bacillus subtilis</i> . <i>Nucleic Acids Research</i> , 2001 , 29, 683-92	20.1	192
18	An operon for a putative ATP-binding cassette transport system involved in acetoin utilization of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2000 , 182, 5454-61	3.5	42
17	Systematic study of gene expression and transcription organization in the <i>gntZ-ywaA</i> region of the <i>Bacillus subtilis</i> genome. <i>Microbiology (United Kingdom)</i> , 2000 , 146 (Pt 3), 573-579	2.9	48
16	Interaction of a repressor and its binding sites for regulation of the <i>Bacillus subtilis</i> <i>iol</i> divergon. <i>Journal of Molecular Biology</i> , 1999 , 285, 917-29	6.5	48
15	Three asparagine synthetase genes of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1999 , 181, 6081-91	3.5	41
14	Identification and expression of the <i>Bacillus subtilis</i> fructose-1, 6-bisphosphatase gene (<i>fbp</i>). <i>Journal of Bacteriology</i> , 1998 , 180, 4309-13	3.5	33
13	Cytochrome <i>bd</i> biosynthesis in <i>Bacillus subtilis</i> : characterization of the <i>cydABCD</i> operon. <i>Journal of Bacteriology</i> , 1998 , 180, 6571-80	3.5	88
12	Organization and transcription of the myo-inositol operon, <i>iol</i> , of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 1997 , 179, 4591-8	3.5	114
11	The complete genome sequence of the gram-positive bacterium <i>Bacillus subtilis</i> . <i>Nature</i> , 1997 , 390, 249-564	56.4	3107
10	Analysis of an insertional operator mutation (<i>gntOi</i>) that affects the expression level of the <i>Bacillus subtilis</i> <i>gnt</i> operon, and characterization of <i>gntOi</i> suppressor mutations. <i>Molecular Genetics and Genomics</i> , 1995 , 248, 583-91		6
9	<i>Bacillus subtilis</i> <i>gnt</i> repressor mutants that diminish gluconate-binding ability. <i>Journal of Bacteriology</i> , 1995 , 177, 4813-6	3.5	9
8	Cloning and sequencing of a 36-kb region of the <i>Bacillus subtilis</i> genome between the <i>gnt</i> and <i>iol</i> operons. <i>DNA Research</i> , 1995 , 2, 61-9	4.5	22
7	Nucleotide sequence and features of the <i>Bacillus licheniformis</i> <i>gnt</i> operon. <i>DNA Research</i> , 1994 , 1, 157-62	6.5	6
6	Missense mutations in the <i>Bacillus subtilis</i> <i>gnt</i> repressor that diminish operator binding ability. <i>Journal of Molecular Biology</i> , 1993 , 231, 167-74	6.5	27

- 5 Importance of the central region of 130-kDa insecticidal proteins of *Bacillus thuringiensis* var. israelensis for their activity in vivo and in vitro. *Bioscience, Biotechnology and Biochemistry*, **1993**, 57, 584-590 2
- 4 Binding of an Engineered 130-kDa Insecticidal Protein of *Bacillus thuringiensis* var. israelensis to Insect Cell Lines. *Bioscience, Biotechnology and Biochemistry*, **1993**, 57, 1200-1 2.1
- 3 Transcriptional regulation of *Bacillus thuringiensis* subsp. israelensis mosquito larvicidal crystal protein gene cryIVA. *Journal of Bacteriology*, **1993**, 175, 2750-3 3.5 39
- 2 Effects of *Bacillus thuringiensis* var. israelensis 20-kDa protein on production of the Bti 130-kDa crystal protein in *Escherichia coli*. *Bioscience, Biotechnology and Biochemistry*, **1992**, 56, 1429-33 2.1 23
- 1 Insecticidal Activity of a Peptide Containing the 30th to 695th Amino Acid Residues of the 130-kDa Protein of *Bacillus thuringiensis* var. israelensis. *Agricultural and Biological Chemistry*, **1989**, 53, 2121-2127 1