

Masashi Kato

List of Publications by Year in descending order

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100
papers

4,444
citations

117453

34
h-index

106150

65
g-index

100
all docs

100
docs citations

100
times ranked

3690
citing authors

#	ARTICLE	IF	CITATIONS
1	Administration of <i>Aspergillus oryzae</i> suppresses DSS-induced colitis. <i>Food Chemistry Molecular Sciences</i> , 2022, 4, 100063.	0.9	2
2	Enhanced Bioremediation of 4-Chlorophenol by Electrically Neutral Reactive Species Generated from Nonthermal Atmospheric-Pressure Plasma. <i>ACS Omega</i> , 2022, 7, 16197-16203.	1.6	1
3	Characterization of two 1,2,4-trihydroxybenzene 1,2-dioxygenases from <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 4499-4509.	1.7	5
4	Biochemical Characterization of a Pectate Lyase AnPL9 from <i>Aspergillus nidulans</i> . <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 5627-5643.	1.4	6
5	The appeal of fermented foods in Aichi prefecture. <i>Journal for the Integrated Study of Dietary Habits</i> , 2021, 31, 195-199.	0.0	0
6	Artificial AmyR::XlnR transcription factor induces α -amylase production in response to non-edible xylan-containing hemicellulosic biomass. <i>Enzyme and Microbial Technology</i> , 2021, 145, 109762.	1.6	5
7	Atomic oxygen radical-induced intracellular oxidization of mould spore cells. <i>Plasma Processes and Polymers</i> , 2020, 17, 2000001.	1.6	4
8	Oxygen radical based on non-thermal atmospheric pressure plasma alleviates lignin-derived phenolic toxicity in yeast. <i>Biotechnology for Biofuels</i> , 2020, 13, 18.	6.2	11
9	Characterization of FsXEG12A from the cellulose-degrading ectosymbiotic fungus <i>Fusarium</i> spp. strain EI cultured by the ambrosia beetle. <i>AMB Express</i> , 2020, 10, 96.	1.4	2
10	[Review] Isolation and Characterization of GH134 Family β -Mannanases. <i>Bulletin of Applied Glycoscience</i> , 2020, 10, 83-88.	0.0	0
11	Study on biomass degradation by filamentous fungi and its contribution to Sustainable Development Goals (SDGs). <i>Mycotoxins</i> , 2020, 70, 83-94.	0.2	0
12	Promotion of Amylase Productions from <i>Aspergillus Oryzae</i> Spores Exposed to Oxygen Radicals. , 2020, , .		0
13	Ability of <i>Saccharomyces cerevisiae</i> MC87-46 to assimilate isomaltose and its effects on sake taste. <i>Scientific Reports</i> , 2019, 9, 13908.	1.6	9
14	A Study on Time Efficiency of CSMA/CA in Inter-Vehicle Communication Systems. , 2019, , .		1
15	Identification and characterization of a thermostable pectate lyase from <i>Aspergillus luchuensis</i> var. <i>saitoi</i> . <i>Food Chemistry</i> , 2019, 276, 503-510.	4.2	26
16	Comparison of the paralogous transcription factors AraR and XlnR in <i>Aspergillus oryzae</i> . <i>Current Genetics</i> , 2018, 64, 1245-1260.	0.8	19
17	Characterization of pH-tolerant and thermostable GH 134 β -1,4-mannanase SsGH134 possessing carbohydrate binding module 10 from <i>Streptomyces</i> sp. NRRL B-24484. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 287-294.	1.1	10
18	Biochemical Characterization of CYP505D6, a Self-Sufficient Cytochrome P450 from the White-Rot Fungus <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	32

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19	Biochemical characterization of thermostable β -1,4-mannanase belonging to the glycoside hydrolase family 134 from <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3237-3245.	1.7	40
20	Oxygen-radical pretreatment promotes cellulose degradation by cellulolytic enzymes. <i>Biotechnology for Biofuels</i> , 2017, 10, 290.	6.2	15
21	Novel 4-methyl-2-oxopentanoate reductase involved in synthesis of the Japanese sake flavor, ethyl leucate. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3137-3145.	1.7	5
22	Thiamine synthesis regulates the fermentation mechanisms in the fungus <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1768-1775.	0.6	15
23	Involvement of an SRF-MADS protein McmA in regulation of extracellular enzyme production and asexual/sexual development in <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1820-1828.	0.6	10
24	Deciphering the Combinatorial DNA-binding Code of the CCAAT-binding Complex and the Iron-regulatory Basic Region Leucine Zipper (bZIP) Transcription Factor HapX. <i>Journal of Biological Chemistry</i> , 2015, 290, 6058-6070.	1.6	36
25	Novel β -1,4-Mannanase Belonging to a New Glycoside Hydrolase Family in <i>Aspergillus nidulans</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 27914-27927.	1.6	53
26	The <i>J</i> transcription factor <i>H</i> ap <i>X</i> controls fungal adaptation to both iron starvation and iron excess. <i>EMBO Journal</i> , 2014, 33, 2261-2276.	3.5	121
27	Control of reactive oxygen species (ROS) production through histidine kinases in <i>Aspergillus nidulans</i> under different growth conditions. <i>FEBS Open Bio</i> , 2014, 4, 90-95.	1.0	13
28	Characterization of Acid Phosphatase (AphC) from the Miso Koji Mold, <i>Aspergillus oryzae</i> KBN630: AphC is Mainly Responsible for Both Acid Phosphatase Activity and $5\text{-}\alpha\text{-}^2\text{-IMP}$ Dephosphorylation Activity in Soybean-Koji Culture. <i>Food Science and Technology Research</i> , 2014, 20, 367-374.	0.3	3
29	Regulation of cellulolytic genes by McmA, the SRF-MADS box protein in <i>Aspergillus nidulans</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 777-782.	1.0	23
30	<i>ProA</i> , a transcriptional regulator of fungal fruiting body development, regulates leaf hyphal network development in the <i>Epichloa festucae</i> <i>L</i> symbiosis. <i>Molecular Microbiology</i> , 2013, 90, 551-568.	1.2	49
31	Molecular Analysis of AsamyR Gene Encoding Transcriptional Factor for Amyolytic Gene from Shoyu Koji Mold, <i>Aspergillus sojae</i> KBN1340. <i>Food Science and Technology Research</i> , 2013, 19, 505-511.	0.3	1
32	Molecular Analysis of the α -Amylase Gene, <i>AstaaG1</i> , from Shoyu Koji Mold, <i>Aspergillus sojae</i> KBN1340. <i>Food Science and Technology Research</i> , 2013, 19, 255-261.	0.3	6
33	Sequence Analysis and Heterologous Expression of Rhamnogalacturonan Lyase A Gene (<i>AsrgIA</i>) from Shoyu Koji Mold, <i>Aspergillus sojae</i> KBN1340. <i>Food Science and Technology Research</i> , 2012, 18, 901-909.	0.3	12
34	Disruption and Overexpression of Acid Phosphatase Gene (<i>aphA</i>) from a Miso Koji Mold, <i>Aspergillus oryzae</i> KBN630, and Characterization of the Gene Product. <i>Food Science and Technology Research</i> , 2012, 18, 59-65.	0.3	7
35	Comparison and characterization of α -amylase inducers in <i>Aspergillus nidulans</i> based on nuclear localization of AmyR. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1629-1635.	1.7	30
36	Development of a Highly Efficient Gene Replacement System for an Industrial Strain of <i>Aspergillus oryzae</i> Used in the Production of Miso, a Japanese Fermented Soybean Paste. <i>Food Science and Technology Research</i> , 2011, 17, 161-166.	0.3	12

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37	Sequence Analysis and Heterologous Expression of Polygalacturonase Gene (<i>AspecA</i>) from a Shoyu Koji Mold, <i>Aspergillus sojae</i> KBN1340. <i>Food Science and Technology Research</i> , 2011, 17, 579-584.	0.3	7
38	Xylose Triggers Reversible Phosphorylation of XlnR, the Fungal Transcriptional Activator of Xylanolytic and Cellulolytic Genes in <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 953-959.	0.6	45
39	High-throughput screening of DNA binding sites for transcription factor AmyR from <i>Aspergillus nidulans</i> using DNA beads display system. <i>Journal of Bioscience and Bioengineering</i> , 2010, 109, 519-525.	1.1	10
40	Enzymatic saccharification of Eucalyptus bark using hydrothermal pre-treatment with carbon dioxide. <i>Bioresource Technology</i> , 2010, 101, 4936-4939.	4.8	39
41	Regulation of the Violacein Biosynthetic Gene Cluster by Acylhomoserine Lactone-Mediated Quorum Sensing in <i>Chromobacterium violaceum</i> ATCC 12472. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 2116-2119.	0.6	37
42	Inducer-Dependent Nuclear Localization of a Zn(II)-Cys ⁶ Transcriptional Activator, AmyR, in <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 391-399.	0.6	35
43	Genes regulated by AoXlnR, the xylanolytic and cellulolytic transcriptional regulator, in <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , 2009, 85, 141-154.	1.7	104
44	The 2008 update of the <i>Aspergillus nidulans</i> genome annotation: A community effort. <i>Fungal Genetics and Biology</i> , 2009, 46, S2-S13.	0.9	99
45	Identification of specific binding sites for XYR1, a transcriptional activator of cellulolytic and xylanolytic genes in <i>Trichoderma reesei</i> . <i>Fungal Genetics and Biology</i> , 2009, 46, 564-574.	0.9	117
46	Title is missing!. <i>Kagaku To Seibutsu</i> , 2009, 47, 718-724.	0.0	0
47	Functional analysis of the <i>egl3</i> upstream region in filamentous fungus <i>Trichoderma reesei</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 515-524.	1.7	20
48	N-Acylhomoserine lactone regulates violacein production in <i>Chromobacterium violaceum</i> type strain ATCC 12472. <i>FEMS Microbiology Letters</i> , 2008, 279, 124-130.	0.7	203
49	Identification of the cis-acting elements involved in regulation of xylanase III gene expression in <i>Trichoderma reesei</i> PC-3-7. <i>Fungal Genetics and Biology</i> , 2008, 45, 1094-1102.	0.9	27
50	Novel Promoter Sequence Required for Inductive Expression of the <i>Aspergillus nidulans</i> Endoglucanase Gene <i>eglA</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 312-320.	0.6	23
51	CFP-Tagged Expression Analysis Revealed That Some Histidine Kinases of <i>Aspergillus nidulans</i> Show Temporally and Spatially Different Expression during the Life Cycle. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 428-434.	0.6	16
52	Genomics of <i>Aspergillus oryzae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 646-670.	0.6	163
53	In Vitro Analysis of His-Asp Phosphorelays in <i>Aspergillus nidulans</i> : The First Direct Biochemical Evidence for the Existence of His-Asp Phosphotransfer Systems in Filamentous Fungi. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2493-2502.	0.6	25
54	The SskA and SrrA Response Regulators Are Implicated in Oxidative Stress Responses of Hyphae and Asexual Spores in the Phosphorelay Signaling Network of <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 1003-1014.	0.6	75

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55	Characterization of the NikA Histidine Kinase Implicated in the Phosphorelay Signal Transduction of <i>Aspergillus nidulans</i> , with Special Reference to Fungicide Responses. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 844-847.	0.6	73
56	Interaction of HapX with the CCAAT-binding complex—a novel mechanism of gene regulation by iron. <i>EMBO Journal</i> , 2007, 26, 3157-3168.	3.5	209
57	Expression Profile of Amylolytic Genes in <i>Aspergillus nidulans</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 2363-2370.	0.6	43
58	The Region in a Subunit of the <i>Aspergillus</i> CCAAT-Binding Protein Similar to the HAP4p-Recruiting Domain of <i>Saccharomyces cerevisiae</i> Hap5p Is Not Essential for Transcriptional Enhancement. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 782-787.	0.6	4
59	Genome sequencing and analysis of <i>Aspergillus oryzae</i> . <i>Nature</i> , 2005, 438, 1157-1161.	13.7	1,128
60	Nuclear translocation of the heterotrimeric CCAAT binding factor of <i>Aspergillus oryzae</i> is dependent on two redundant localising signals in a single subunit. <i>Archives of Microbiology</i> , 2005, 184, 93-100.	1.0	25
61	An Overview of the CCAAT-Box Binding Factor in Filamentous Fungi: Assembly, Nuclear Translocation, and Transcriptional Enhancement. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 663-672.	0.6	54
62	Mode of AmyR Binding to the CCGN8AGG Sequence in the <i>Aspergillus oryzae</i> G2 Promoter. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1906-1911.	0.6	29
63	A Single Subunit of a Heterotrimeric CCAAT-binding Complex Carries a Nuclear Localization Signal: Piggy Back Transport of the Pre-assembled Complex to the Nucleus. <i>Journal of Molecular Biology</i> , 2004, 342, 515-524.	2.0	70
64	Upregulation of promoter activity of the <i>Aspergillus oryzae</i> xylanase gene by site-directed mutagenesis. <i>Biotechnology Letters</i> , 2003, 25, 371-374.	1.1	4
65	Characterization of AnRP-mediated negative regulation of the xylanase gene, <i>cgxA</i> , from <i>Chaetomium gracile</i> in <i>Aspergillus nidulans</i> . <i>Letters in Applied Microbiology</i> , 2003, 36, 59-63.	1.0	6
66	CCAAT-box binding factor of <i>Aspergillus oryzae</i> is a heterotrimeric complex. <i>Nippon Nogeikagaku Kaishi</i> , 2003, 77, 960-963.		
67	Novel β -Glucosidase from <i>Aspergillus nidulans</i> with Strong Transglycosylation Activity. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1250-1256.	1.4	120
68	A Transcriptional Activator, AoXlnR, Controls the Expression of Genes Encoding Xylanolytic Enzymes in <i>Aspergillus oryzae</i> . <i>Fungal Genetics and Biology</i> , 2002, 35, 157-169.	0.9	90
69	A quantity control mechanism regulating levels of the HapE subunit of the Hap complex in <i>Aspergillus nidulans</i> : no accumulation of HapE in hapC deletion mutants. <i>FEBS Letters</i> , 2002, 512, 227-229.	1.3	5
70	Transcriptional activator, AoXlnR, mediates cellulose-inductive expression of the xylanolytic and cellulolytic genes in <i>Aspergillus oryzae</i> . <i>FEBS Letters</i> , 2002, 528, 279-282.	1.3	65
71	Structural features of the glycogen branching enzyme encoding genes from <i>aspergilli</i> . <i>Microbiological Research</i> , 2002, 157, 337-344.	2.5	4
72	Isolation of genes encoding novel transcription factors which interact with the Hap complex from <i>Aspergillus</i> species. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1576, 176-182.	2.4	33

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73	Upward shift of the pH optimum of Acremonium ascorbate oxidase. BBA - Proteins and Proteomics, 2002, 1596, 36-46.	2.1	9
74	Isomaltose formed by Î±-glucosidases triggers amylase induction in Aspergillus nidulans. Current Genetics, 2002, 42, 43-50.	0.8	35
75	Title is missing!. Biotechnology Letters, 2002, 24, 1089-1096.	1.1	10
76	In Vivo and in Vitro Analyses of the AmyR Binding Site of the Aspergillus nidulans agdA Promoter; Requirement of the CCG Direct Repeat for Induction and High Affinity Binding of AmyR. Bioscience, Biotechnology and Biochemistry, 2001, 65, 1568-1574.	0.6	34
77	Regulation of the amylolytic and (hemi-)cellulolytic genes in aspergilli. Journal of General and Applied Microbiology, 2001, 47, 1-19.	0.4	61
78	Characterization of the amyR gene encoding a transcriptional activator for the amylase genes in Aspergillus nidulans. Current Genetics, 2001, 39, 10-15.	0.8	81
79	AoHapB, AoHapC and AoHapE, subunits of the Aspergillus oryzae CCAAT-binding complex, are functionally interchangeable with the corresponding subunits in Aspergillus nidulans. Current Genetics, 2001, 39, 175-182.	0.8	17
80	No Factors Except for the Hap Complex increase the Taka-amylase A Gene Expression by Binding to the CCAAT Sequence in the Promoter Region. Bioscience, Biotechnology and Biochemistry, 2001, 65, 2340-2342.	0.6	9
81	An Aspergillus oryzae CCAAT-binding protein, AoCP, is involved in the high-level expression of the Taka-amylase A gene. Current Genetics, 2000, 37, 380-387.	0.8	25
82	A novel nuclear factor, SREB, binds to a cis-acting element, SRE, required for inducible expression of the Aspergillus oryzae Taka-amylase A gene in A. nidulans. Molecular Genetics and Genomics, 2000, 263, 232-238.	2.4	22
83	A Simple and Rapid Method for the Preparation of a Cell-free Extract with CCAAT-Binding Activity from Filamentous Fungi. Bioscience, Biotechnology and Biochemistry, 2000, 64, 455-457.	0.6	8
84	Structure and expression properties of the endo-Î±-1,4-glucanase A gene from the filamentous fungus Aspergillus nidulans. FEMS Microbiology Letters, 1999, 175, 239-245.	0.7	36
85	Depression of the xylanase-encoding cgxA gene of Chaetomium gracile in Aspergillus nidulans. Microbiological Research, 1999, 153, 369-376.	2.5	10
86	Structure and expression properties of the endo-Î±-1,4-glucanase A gene from the filamentous fungus Aspergillus nidulans. FEMS Microbiology Letters, 1999, 175, 239-245.	0.7	26
87	HAP-Like CCAAT-Binding Complexes in Filamentous Fungi: Implications for Biotechnology. Fungal Genetics and Biology, 1999, 27, 243-252.	0.9	110
88	Cloning of a thermostable ascorbate oxidase gene from Acremonium sp. HI-25 and modification of the azide sensitivity of the enzyme by site-directed mutagenesis. BBA - Proteins and Proteomics, 1998, 1388, 444-456.	2.1	13
89	The Aspergillus nidulans CCAAT-binding factor AnCP/AnCF is a heteromeric protein analogous to the HAP complex of Saccharomyces cerevisiae. Molecular Genetics and Genomics, 1998, 257, 404-411.	2.4	39
90	Secretion of Human Interleukin-2 in Biologically Active Form by Bacillus brevis Directly into Culture Medium. Bioscience, Biotechnology and Biochemistry, 1997, 61, 1858-1861.	0.6	36

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91	An <i>Aspergillus nidulans</i> nuclear protein, AnCP, involved in enhancement of Taka-amylase A gene expression, binds to the CCAAT-containing <i>taaG2</i> , <i>amdS</i> , and <i>gatA</i> promoters. <i>Molecular Genetics and Genomics</i> , 1997, 254, 119-126.	2.4	52
92	Sequence-specific Binding Sites in the Taka-amylase A G2 Promoter for the CreA Repressor Mediating Carbon Catabolite Repression. <i>Bioscience, Biotechnology and Biochemistry</i> , 1996, 60, 1776-1779.	0.6	43
93	Efficient Production of Casoxin D, a Bradykinin Agonist Peptide Derived from Human Casein, by <i>Bacillus brevis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1995, 59, 2056-2059.	0.6	11
94	Two family G xylanase genes from <i>Chaetomium gracile</i> and their expression in <i>Aspergillus nidulans</i> . <i>Current Genetics</i> , 1995, 29, 73-80.	0.8	24
95	Expression and Secretion of Recombinant Aspartic Proteinases by <i>Bacillus Brevis</i> . <i>Advances in Experimental Medicine and Biology</i> , 1995, 362, 589-596.	0.8	4
96	Chapter 6 Structural characteristics of presecretory proteins: their implication as to translocation competency. <i>New Comprehensive Biochemistry</i> , 1992, 22, 63-74.	0.1	0
97	Molecular Analysis by Deletion and Site-Directed Mutagenesis of the cis-Acting Upstream Sequence Involved in Activation of the <i>ompF</i> Promoter in <i>Escherichia coli</i> 1. <i>Journal of Biochemistry</i> , 1989, 105, 341-347.	0.9	14
98	Location of phosphorylation site and DNA-binding site of a positive regulator, OmpR, involved in activation of the osmoregulatory genes of <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1989, 249, 168-172.	1.3	50
99	Insertion sequence IS5 contains a sharply curved DNA structure at its terminus. <i>Molecular Genetics and Genomics</i> , 1988, 214, 433-438.	2.4	28
100	Location of DNA-binding segment of a positive regulator, OmpR, involved in activation of the <i>ompF</i> and <i>ompC</i> genes of <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1988, 242, 27-30.	1.3	45