Hirokazu Kobayashi

List of Publications by Year
in descending order

54 papers	3,320 citations	361413 20 h-index	206112 48 g-index
54 all docs	54 docs citations	54 times ranked	3262 citing authors

#	Article	IF	Citations
1	Plant-derived secretory component gives protease-resistance to Shiga toxin 1-specific dimeric IgA. Plant Molecular Biology, 2021, 106, 297-308.	3.9	1
2	Lettuce-derived secretory IgA specifically neutralizes the Shiga toxin 1 activity. Planta, 2019, 250, 1255-1264.	3.2	7
3	Plant-derived secretory component forms secretory IgA with shiga toxin 1-specific dimeric IgA produced by mouse cells and whole plants. Plant Cell Reports, 2019, 38, 161-172.	5.6	4
4	Protection of Human Colon Cells from Shiga Toxin by Plant-based Recombinant Secretory IgA. Scientific Reports, 2017, 7, 45843.	3.3	18
5	Nondestructive evaluation of photosynthesis by delayed luminescence in Arabidopsis in Petri dishes. Bioscience, Biotechnology and Biochemistry, 2016, 80, 452-460.	1.3	2
6	bHLH106 Integrates Functions of Multiple Genes through Their G-Box to Confer Salt Tolerance on Arabidopsis. PLoS ONE, 2015, 10, e0126872.	2.5	53
7	Genome-Wide Screening of Salt Tolerant Genes by Activation-Tagging Using Dedifferentiated Calli of Arabidopsis and Its Application to Finding Gene for Myo-Inositol-1-P-Synthase. PLoS ONE, 2015, 10, e0115502.	2.5	9
8	Antiangiogenic Activity of Flavonoids from <i>Melia azedarach</i>. Natural Product Communications, 2013, 8, 1934578X1300801.	0.5	13
9	Production of Hybrid-IgG/IgA Plantibodies with Neutralizing Activity against Shiga Toxin 1. PLoS ONE, 2013, 8, e80712.	2.5	16
10	A rice mutant displaying a heterochronically elongated internode carries a 100Âkb deletion. Journal of Genetics and Genomics, 2011, 38, 123-128.	3.9	3
11	Examination of transpositional activity of nDart1 at different stages of rice development. Genes and Genetic Systems, 2011, 86, 215-219.	0.7	4
12	Transformation of Arabidopsis by mutated acetolactate synthase genes from rice and Arabidopsis that confer specific resistance to pyrimidinylcarboxylate-type ALS inhibitors. Plant Biotechnology, 2010, 27, 75-84.	1.0	12
13	Sigma factor phosphorylation in the photosynthetic control of photosystem stoichiometry. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10760-10764.	7.1	97
14	Transformation ofArabidopsiswith Plant-Derived DNA Sequences Necessary for Selecting Transformants and Driving an Objective Gene. Bioscience, Biotechnology and Biochemistry, 2009, 73, 936-938.	1.3	4
15	Distribution and Excretion of Bilberry Anthocyanins in Mice. Journal of Agricultural and Food Chemistry, 2009, 57, 7681-7686.	5.2	68
16	Selectable Tolerance to Herbicides by Mutated Acetolactate Synthase Genes Integrated into the Chloroplast Genome of Tobacco Â. Plant Physiology, 2008, 147, 1976-1983.	4.8	43
17	Herbicide sensitivities of mutated enzymes expressed from artificially generated genes of acetolactate synthase. Journal of Pesticide Sciences, 2008, 33, 128-137.	1.4	19
18	Arabidopsis Mutants by Activation Tagging in which Photosynthesis Genes are Expressed in Dedifferentiated Calli. Plant and Cell Physiology, 2006, 47, 319-331.	3.1	15

#	Article	IF	Citations
19	Structure, circadian regulation and bioinformatic analysis of the unique sigma factor gene in Chlamydomonas reinhardtii. Photosynthesis Research, 2004, 82, 339-349.	2.9	35
20	Molecular cloning of a cDNA encoding a novel Ca2+-dependent nuclease of Arabidopsis that is similar to staphylococcal nuclease. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1491, 267-272.	2.4	9
21	In Vitro Random Mutagenesis of the D1 Protein of the Photosystem II Reaction Center Confers Phototolerance on the Cyanobacterium Synechocystis sp. PCC 6803. Journal of Biological Chemistry, 1999, 274, 23270-23275.	3.4	12
22	A Recessive Arabidopsis Mutant That Grows Photoautotrophically under Salt Stress Shows Enhanced Active Oxygen Detoxification. Plant Cell, 1999, 11, 1195-1206.	6.6	299
23	Non-invasive quantitative detection and applications of non-toxic, S65T-type green fluorescent protein in living plants. Plant Journal, 1999, 18, 455-463.	5.7	381
24	Gene for a protein capable of enhancing lateral root formation. FEBS Letters, 1999, 451, 45-50.	2.8	6
25	The Herbicide-Resistant Species of the Cyanobacterial Dl Protein Obtained by Thorough and Random in vitro Mutagenesis. Plant and Cell Physiology, 1998, 39, 620-626.	3.1	16
26	Several Strategies for Dissecting and Controlling Functions in Plant Cells. Developments in Plant Pathology, 1998, , 399-400.	0.1	0
27	Preliminary characterization of a photo-tolerant mutant of Synechocystis sp. PCC 6803 obtained by in vitro random mutagenesis of psbA2. Plant Science, 1996, 115, 261-266.	3.6	15
28	Engineered GFP as a vital reporter in plants. Current Biology, 1996, 6, 325-330.	3.9	1,322
29	Green-fluorescent protein as a new vital marker in plant cells. Plant Journal, 1995, 8, 777-784.	5.7	375
30	Strategies for Screening New Arabidopsis Thaliana Mutants of Expression of Genes for Photosynthesis. , 1992, , 441-443.		0
31	Molecular Analysis of Genes for Pathogenicity of Alternaria alternata Japanese Pear Pathotype, a Host-Specific Toxin Producer. , 1991, , 119-129.		1
32	Differentiation of Amyloplasts and Chromoplasts. , 1991, , 395-415.		5
33	DNA methylation is a determinative element of photosynthesis gene expression in amyloplasts from liquid-cultured cells of sycamore (Acer pseudoplatanus L.).. Cell Structure and Function, 1990, 15, 285-293.	1.1	21
34	Efficient integrative transformation of the phytopathogenic fungus Alternaria alternata mediated by the repetitive rDNA sequences. Gene, 1990, 90, 207-214.	2.2	43
35	Application of an efficient strategy with a phage Î» vector for constructing a physical map of the amyloplast genome of sycamore (Acer pseudoplatanus). Archives of Biochemistry and Biophysics, 1990, 276, 172-179.	3.0	7
36	Expression of photosynthetic genes is distinctly different between chloroplasts and amyloplasts in the liquid-cultured cells of sycamore (Acer pseudoplatanus L.).. Cell Structure and Function, 1990, 15, 273-283.	1.1	9

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37	Effects of Photosynthetic Intermediates on the Activation State of Ribulose 1,5-Bisphosphate Carboxylase/Oxygenase from<i>Euglena gracilis</i>Z. Agricultural and Biological Chemistry, 1989, 53, 2045-2052.	0.3	0
38	Organization of ribosomal RNA genes in Alternaria alternate Japanese pear pathotype, a host-selective AK-toxin-producing fungus. Current Genetics, 1989, 16, 267-272.	1.7	36
39	Transcriptional regulation of genes for plant-type ribulose-1,5-bisphosphate carboxylase/oxygenase in the photosynthetic bacterium, Chromatium vinosum. FEBS Journal, 1988, 173, 483-489.	0.2	17
40	DNA Methylation Occurred around Lowly Expressed Genes of Plastid DNA during Tomato Fruit Development. Plant Physiology, 1988, 88, 16-20.	4.8	53
41	Expression of Amyloplast and Chloroplast DNA in Suspension-Cultured Cells of Sycamore (Acer) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.8	30
42	A rapid DNA sequencing procedure: Unidirectional deletion of DNA fragments and use of reverse transcriptase in sequencing reactions.. Agricultural and Biological Chemistry, 1988, 52, 277-279.	0.3	4
43	Nuclear Gene-Regulated Expression of Chloroplast Genes for Coupling Factor One in Maize. Plant Physiology, 1987, 85, 757-767.	4.8	19
44	Expression of Genes for Plant-Type Rubisco in Chromatium and Escherichia Coli. , 1987, , 411-418.		2
45	Expression of amyloplast DNA in suspension-cultured cells of sycamore (Acer pseudoplatanus L.). FEBS Letters, 1986, 201, 315-320.	2.8	13
46	Metabolic regulation of host-specific toxin production in Alternaria alternata pathogens. 4 Molecular cloning of mRNA in AK-toxin producing isolate.. Nihon Shokubutsu Byori Gakkaiho = Annals of the Phytopathological Society of Japan, 1986, 52, 690-699.	0.1	5
47	Amyloplast nucleoids in sycamore cells and presence in amyloplast DNA of homologous sequences to chloroplast genes. Biochemical and Biophysical Research Communications, 1985, 133, 140-146.	2.1	31
48	Expression of genes for subunits of plant-type RuBisCO from Chromatium and production of the enzymically active molecule in Escherichia coli. FEBS Letters, 1985, 192, 283-288.	2.8	37
49	Molecular evolution of ribulose-1,5-biphosphate carboxylase/oxygenase (RuBisCO). Trends in Biochemical Sciences, 1984, 9, 380-383.	7.5	34
50	Biosynthetic mechanism of ribulose-1,5-bisphosphate carboxylase in the purple photosynthetic bacterium, Chromatium vinosum. Archives of Biochemistry and Biophysics, 1983, 224, 152-160.	3.0	4
51	Biosynthetic mechanism of ribulose-1,5-bisphosphate carboxylase in the purple photosynthetic bacterium, Chromatium vinosum. Archives of Biochemistry and Biophysics, 1982, 214, 531-539.	3.0	24
52	Biosynthetic mechanism of ribulose-1,5-bisphosphate carboxylase in the purple photosynthetic bacterium, Chromatium vinosum. Archives of Biochemistry and Biophysics, 1982, 214, 540-549.	3.0	13
53	Development of Enzymes Involved in Photosynthetic Carbon Assimilation in Greening Seedlings of Maize (Zea mays). Plant Physiology, 1980, 65, 198-203.	4.8	30
54	Roles of the Large and Small Subunits of Ribulose-1, 5-Bisphosphate Carboxylase in the Activation by CO2 and Mg2+1. Journal of Biochemistry, 1979, 85, 923-930.	1.7	24