Koji Mikami

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9005540/publications.pdf

Version: 2024-02-01

95 papers	4,062 citations	201674 27 h-index	123424 61 g-index
98 all docs	98 docs citations	98 times ranked	4343 citing authors

#	Article	IF	Citations
1	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. Science, 2011, 332, 960-963.	12.6	794
2	Salt Stress and Hyperosmotic Stress Regulate the Expression of Different Sets of Genes in Synechocystis sp. PCC 6803. Biochemical and Biophysical Research Communications, 2002, 290, 339-348.	2.1	273
3	The pathway for perception and transduction of low-temperature signals in Synechocystis. EMBO Journal, 2000, 19, 1327-1334.	7.8	238
4	Cold-regulated genes under control of the cold sensor Hik33 in Synechocystis. Molecular Microbiology, 2001, 40, 235-244.	2.5	238
5	A protein that binds to a cis-acting element of wheat histone genes has a leucine zipper motif. Science, 1989, 245, 965-967.	12.6	199
6	Membrane fluidity and the perception of environmental signals in cyanobacteria and plants. Progress in Lipid Research, 2003, 42, 527-543.	11.6	198
7	The histidine kinase Hik33 perceives osmotic stress and cold stress in Synechocystis sp. PCC 6803. Molecular Microbiology, 2002, 46, 905-915.	2.5	185
8	Biosynthetic Pathway and Health Benefits of Fucoxanthin, an Algae-Specific Xanthophyll in Brown Seaweeds. International Journal of Molecular Sciences, 2013, 14, 13763-13781.	4.1	177
9	A gene encoding phosphatidylinositolâ€4â€phosphate 5â€kinase is induced by water stress and abscisic acid inArabidopsis thaliana. Plant Journal, 1998, 15, 563-568.	5.7	173
10	From The Cover: Functional expression of a Â12 fatty acid desaturase gene from spinach in transgenic pigs. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6361-6366.	7.1	131
11	HBP-1a and HBP-1b: leucine zipper-type transcription factors of wheat.. EMBO Journal, 1991, 10, 1459-1467.	7.8	113
12	Nuclear protein(s) binding to the conserved DNA hexameric sequence postulated to regulate transcription of wheat histone genes. FEBS Letters, 1987, 223, 273-278.	2.8	86
13	Comprehensive quantification and genome survey reveal the presence of novel phytohormone action modes in red seaweeds. Journal of Applied Phycology, 2016, 28, 2539-2548.	2.8	47
14	Phosphoinositide-specific phospholipase C is involved in cytokinin and gravity responses in the moss Physcomitrella patens. Plant Journal, 2004, 40, 250-259.	5.7	44
15	Factors influencing efficiency of transient gene expression in the red macrophyte Porphyra yezoensis. Plant Science, 2008, 174, 329-339.	3.6	44
16	Molecular responses to water stress inArabidopsis thaliana. Journal of Plant Research, 1998, 111, 345-351.	2.4	41
17	Transient Gene Expression System Established in Porphyra yezoensis Is Widely Applicable in Bangiophycean Algae. Marine Biotechnology, 2011, 13, 1038-1047.	2.4	41
18	Wheat nuclear protein HBP-1 binds to the hexameric sequence in the promoter of various plant genus. Nucleic Acids Research, 1989, 17, 9707-9717.	14.5	37

#	Article	IF	Citations
19	Multiplicity of the DNA-binding protein HBP-1 specific to the conserved hexameric sequence ACGTCA in various plant gene promoters. FEBS Letters, 1989, 256, 67-70.	2.8	34
20	Optimization of yield and quality of agar polysaccharide isolated from the marine red macroalga Pyropia yezoensis. Algal Research, 2017, 26, 123-130.	4.6	34
21	Cisacting Sequences that Modulate Transcription of Wheat Histone H3 and 3â€² Processing of H3 Premature mRNA. Plant and Cell Physiology, 1989, 30, 825-832.	3.1	34
22	Visualization of Nuclear Localization of Transcription Factors with Cyan and Green Fluorescent Proteins in the Red Alga Porphyra yezoensis. Marine Biotechnology, 2010, 12, 150-159.	2.4	32
23	Molecular cloning and nucleotide sequences of cDNAs for histone H1 and H2B variants from wheat. Nucleic Acids Research, 1991, 19, 5077-5077.	14.5	31
24	Phosphatidylinositol 3-kinase activity and asymmetrical accumulation of F-actin are necessary for establishment of cell polarity in the early development of monospores from the marine red alga Porphyra yezoensis. Journal of Experimental Botany, 2008, 59, 3575-3586.	4.8	31
25	Comparative Evaluation of the Safety and Efficacy of Long-Term Use of Imidafenacin and Solifenacin in Patients with Overactive Bladder: A Prospective, Open, Randomized, Parallel-Group Trial (the LIST) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	31
26	Characterization of an eukaryotic PL-7 Alginate Lyase in the Marine Red Alga Pyropia Yezoensis. Current Biotechnology, 2015, 4, 240-258.	0.4	31
27	Oxidative Stress Promotes Asexual Reproduction and Apogamy in the Red Seaweed Pyropia yezoensis. Frontiers in Plant Science, 2017, 8, 62.	3.6	30
28	DNA-binding protein(s) interacts with a conserved nonameric sequence in the upstream regions of wheat histone genes. FEBS Letters, 1988, 239, 319-323.	2.8	29
29	Molecular characterization and expression analysis of sodium pump genes in the marine red alga Porphyra yezoensis. Molecular Biology Reports, 2012, 39, 7973-7980.	2.3	29
30	A novel Arabidopsis thaliana dynaminâ€like protein containing the pleckstrin homology domain1. Journal of Experimental Botany, 2000, 51, 317-318.	4.8	27
31	Visualization of Phosphoinositides via the Development of the Transient Expression System of a Cyan Fluorescent Protein in the Red Alga Porphyra yezoensis. Marine Biotechnology, 2009, 11, 563-569.	2.4	27
32	A unique life cycle transition in the red seaweed Pyropia yezoensis depends on apospory. Communications Biology, 2019, 2, 299.	4.4	27
33	PIPKs are essential for rhizoid elongation and caulonemal cell development in the moss Physcomitrella patens. Plant Journal, 2011, 67, 635-647.	5.7	26
34	Carotenoid Profiling of a Red Seaweed Pyropia yezoensis: Insights into Biosynthetic Pathways in the Order Bangiales. Marine Drugs, 2018, 16, 426.	4.6	26
35	Specific Interaction of Nuclear Protein HBP-1 with the Conserved Hexameric Sequence ACGTCA in the Regulatory Region of Wheat Histone Genes. Plant and Cell Physiology, 1989, 30, 107-119.	3.1	25
36	Ca2+ influx and phosphoinositide signalling are essential for the establishment and maintenance of cell polarity in monospores from the red alga Porphyra yezoensis. Journal of Experimental Botany, 2009, 60, 3477-3489.	4.8	24

#	Article	IF	Citations
37	Phytohormones in red seaweeds: a technical review of methods for analysis and a consideration of genomic data. Botanica Marina, 2017, 60, .	1.2	24
38	Development of an expression system using the heat shock protein 70 promoter in the red macroalga, Porphyra tenera. Journal of Applied Phycology, 2012, 24, 79-87.	2.8	21
39	Isolation of cDNAs encoding typical and novel types of phosphoinositide-specific phospholipase C from the moss Physcomitrella patens. Journal of Experimental Botany, 2004, 55, 1437-1439.	4.8	20
40	Characterization of Phosphatidylinositol Phosphate Kinases from the Moss Physcomitrella patens: PpPIPK1 and PpPIPK2. Plant and Cell Physiology, 2009, 50, 595-609.	3.1	20
41	Photosynthesis-Dependent Extracellular Ca2+ Influx Triggers an Asexual Reproductive Cycle in the Marine Red Macroalga Porphyra yezoensis. American Journal of Plant Sciences, 2010, 01, 1-11.	0.8	20
42	A technical breakthrough close at hand: feasible approaches toward establishing a gene-targeting genetic transformation system in seaweeds. Frontiers in Plant Science, 2014, 5, 498.	3.6	18
43	Heatâ€stress Memory is Responsible for Acquired Thermotolerance in Bangia fuscopurpurea. Journal of Phycology, 2019, 55, 971-975.	2.3	17
44	Isolation and regeneration of transiently transformed protoplasts from gametophytic blades of the marine red alga Porphyra yezoensis. Electronic Journal of Biotechnology, 2010, 13, .	2.2	17
45	Simultaneous determination of primary and secondary <scp>d</scp>- and <scp>l</scp>-amino acids by reversed-phase high-performance liquid chromatography using pre-column derivatization with two-step labelling method. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1681-1686.	1.3	16
46	Reproductive Responses to Wounding and Heat Stress in Gametophytic Thalli of the Red Alga Pyropia yezoensis. Frontiers in Marine Science, 2020, 7, .	2.5	16
47	Difference in Nitrogen Starvation-Inducible Expression Patterns among Phylogenetically Diverse Ammonium Transporter Genes in the Red Seaweed <i>Pyropia yezoensis</i>. American Journal of Plant Sciences, 2019, 10, 1325-1349.	0.8	16
48	The Modular Structure and Function of the Wheat H1 Promoter with S Phase-Specific Activity. Plant and Cell Physiology, 1998, 39, 294-306.	3.1	14
49	Is membrane occupation and recognition nexus domain functional in plant phosphatidylinositol phosphate kinases?. Plant Signaling and Behavior, 2010, 5, 1241-1244.	2.4	14
50	A Dibasic Amino Acid Pair Conserved in the Activation Loop Directs Plasma Membrane Localization and Is Necessary for Activity of Plant Type I/II Phosphatidylinositol Phosphate Kinase Â. Plant Physiology, 2010, 153, 1004-1015.	4.8	13
51	Transient Transformation of Red Algal Cells: Breakthrough Toward Genetic Transformation of Marine Crop Porphyra Species. , 0, , .		13
52	Isolation and characterization of a new DUR3-like gene, PyDUR3.3, from the marine macroalga Pyropia yezoensis (Rhodophyta). Fisheries Science, 2016, 82, 171-184.	1.6	13
53	Experience with imidafenacin in the management of overactive bladder disorder. Therapeutic Advances in Urology, 2013, 5, 43-58.	2.0	12
54	Low temperature causes discoloration by repressing growth and nitrogen transporter gene expression in the edible red alga Pyropia yezoensis. Marine Environmental Research, 2020, 159, 105004.	2.5	12

#	Article	IF	Citations
55	Functional expression of an animal type-Na+-ATPase gene from a marine red seaweed Porphyra yezoensis increases salinity tolerance in rice plants. Plant Biotechnology, 2013, 30, 417-422.	1.0	11
56	Functional expression of a humanized gene for an Ï‰-3 fatty acid desaturase from scarlet flax in transfected bovine adipocytes and bovine embryos cloned from the cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 183-190.	2.4	10
57	Lipid Metabolism in Mosses. , 2004, , 133-155.		10
58	PIP kinases and their role in plant tip growing cells. Plant Signaling and Behavior, 2012, 7, 1302-1305.	2.4	9
59	Current Advances in Seaweed Transformation. , 0, , .		9
60	Discolored Red Seaweed Pyropia yezoensis with Low Commercial Value Is a Novel Resource for Production of Agar Polysaccharides. Marine Biotechnology, 2018, 20, 520-530.	2.4	9
61	Developmental and tissue-specific regulation of the gene for the wheat basic/leucine zipper protein HBP-1a(17) in transgenicArabidopsis plants. Molecular Genetics and Genomics, 1995, 248, 573-582.	2.4	8
62	Selection and functional analysis of a Pyropia yezoensis ammonium transporter PyAMT1 in potassium deficiency. Journal of Applied Phycology, 2017, 29, 2617-2626.	2.8	8
63	Parthenosporophytes of the brown alga Ectocarpus siliculosus exhibit sex-dependent differences in thermotolerance as well as fatty acid and sterol composition. Marine Environmental Research, 2018, 137, 188-195.	2.5	8
64	Molecular characterization of a cDNA encoding a novel small GTP-binding protein from Arabidopsis thaliana. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1997, 1354, 99-104.	2.4	7
65	Effects of cell wall synthesis on cell polarity in the red algaPorphyra yezoensis. Plant Signaling and Behavior, 2008, 3, 1126-1128.	2.4	7
66	Chemoprotective effects of a recombinant protein from Pyropia yezoensis and synthetic peptide against acetaminophen-induced Chang liver cell death. International Journal of Molecular Medicine, 2015, 36, 369-376.	4.0	7
67	Dietary supplementation of red alga Pyropia spheroplasts on growth, feed utilization and body composition of sea cucumber, Apostichopus japonicus (Selenka). Aquaculture Research, 2017, 48, 5363-5372.	1.8	7
68	Life cycle and reproduction dynamics of Bangiales in response to environmental stresses. Seminars in Cell and Developmental Biology, 2023, 134, 14-26.	5.0	7
69	Heterologous activation of thePorphyra tenera HSP70promoter in Bangiophycean algal cells. Bioengineered Bugs, 2011, 2, 271-274.	1.7	6
70	Structural divergence and loss of phosphoinositide-specific phospholipase C signaling components during the evolution of the green plant lineage: implications from structural characteristics of algal components. Frontiers in Plant Science, 2014, 5, 380.	3.6	6
71	Identification and Efficient Utilization of Antibiotics for the Development of a Stable Transformation System in Porphyra yezoensis (Bangiales, Rhodophyta). Journal of Aquaculture Research & Development, 2011, 02, .	0.4	6
72	Phototropism in the Marine Red Macroalga <i>Pyropia yezoensis</i>. American Journal of Plant Sciences, 2016, 07, 2412-2428.	0.8	6

#	Article	IF	Citations
73	Sensors of abiotic stress in Synechocystis. Topics in Current Genetics, 0, , 103-119.	0.7	5
74	The Absence of Hydrodynamic Stress Promotes Acquisition of Freezing Tolerance and Freeze-Dependent Asexual Reproduction in the Red Alga â€˜Bangiaâ€™ sp. ESS1. Plants, 2021, 10, 465.	3.5	5
75	Heat-Stress Responses Differ among Species from Different â€˜Bangiaâ€™ Clades of Bangiales (Rhodophyta). Plants, 2021, 10, 1733.	3.5	5
76	Transient Occlusion of Bilateral Internal Iliac Arteries Facilitates Bloodless Operative Field in Subcapsular Prostatectomy. Case Reports in Medicine, 2012, 2012, 1-3.	0.7	3
77	Photosynthesis-dependent Ca²⁺influx and functional diversity between phospholipases in the formation of cell polarity in migrating cells of red algae. Plant Signaling and Behavior, 2009, 4, 911-913.	2.4	2
78	A Case of Severe Hemorrhagic Cystitis Caused by Melphalan with Successful Bladder Preservation by Ligation of Bilateral Internal Iliac Arteries. Case Reports in Medicine, 2010, 2010, 1-3.	0.7	2
79	Primary Characterization of a Life-Cycle Mutant akasusabi of the Red Alga Neopyropia yezoensis. Phycology, 2021, 1, 14-26.	3.6	2
80	Comprehensive phytohormone quantification in the red alga Pyropia yezoensis by liquid chromatographyâ€“mass spectrometry. , 2018, , 225-236.		2
81	Identification and Efficient Utilization of Antibiotics for the Development of a Stable Transformation System in Porphyra yezoensis (Bangiales,Rhodophyta). Journal of Aquaculture Research & Development, 2014, 06, .	0.4	2
82	Gel mobility shift assay. , 1994, , 431-444.		2
83	Editorial: Environmental Stress-Promoting Responses in Algae. Frontiers in Marine Science, 2021, 8, .	2.5	2
84	An Accurate Transcription of Wheat Histone Genes in Sunflower Cells. Plant and Cell Physiology, 1987, , .	3.1	1
85	A Case of Hydrocele Stone with Its Composition Analysis. Case Reports in Medicine, 2010, 2010, 1-2.	0.7	1
86	The presence of free d-aspartate in marine macroalgae is restricted to the Sargassaceae family. Bioscience, Biotechnology and Biochemistry, 2018, 82, 268-273.	1.3	1
87	Comparative Genomic View of The Inositol-1,4,5-Trisphosphate Receptor in Plants. Journal of Plant Biochemistry & Physiology, 2014, 02, .	0.5	1
88	Establishment of a Live-Imaging Analysis for Polarized Growth of Conchocelis in the Multicellular Red Alga Neopyropia yezoensis. Frontiers in Plant Science, 2021, 12, 716011.	3.6	1
89	Membrane-Fluidization-Dependent and -Independent Pathways Are Involved in Heat-Stress-Inducible Gene Expression in the Marine Red Alga Neopyropia yezoensis. Cells, 2022, 11, 1486.	4.1	1
90	Partial Purification and Characterization of Two Transcription Factors, HBP-la and HBP-lb, Specific for a <italic>cis</italic>-Acting Element, ACGTCA, of Wheat Histone Genes. Plant and Cell Physiology, 1991, , .	3.1	0

#	Article	IF	Citations
91	III-1. Current status of â€œnoriâ€•cultivation and future on the application of genomic information. Nippon Suisan Gakkaishi, 2012, 78, 271.	0.1	0
92	II-1. Regulatory mechanisms of morphogenesis and establishment of their analytical tools. Nippon Suisan Gakkaishi, 2014, 80, 827-827.	0.1	0
93	A Simple Procedure to Observe Phototropic Responses in the Red Seaweed Pyropia yezoensis. Methods in Molecular Biology, 2019, 1924, 121-130.	0.9	0
94	Blueâ€“red chromatic acclimation in the red alga Pyropia yezoensis. Algal Research, 2021, 58, 102428.	4.6	0
95	Research on the Regulatory Mechanism of Algae Reproduction under Abiotic Stress Conditions. Plants, 2022, 11, 525.	3.5	0