

Koji Mikami

List of Publications by Year in descending order

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citations

201674

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98
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citing authors

#	ARTICLE	IF	CITATIONS
1	Life cycle and reproduction dynamics of Bangiales in response to environmental stresses. <i>Seminars in Cell and Developmental Biology</i> , 2023, 134, 14-26.	5.0	7
2	Research on the Regulatory Mechanism of Algae Reproduction under Abiotic Stress Conditions. <i>Plants</i> , 2022, 11, 525.	3.5	0
3	Membrane-Fluidization-Dependent and -Independent Pathways Are Involved in Heat-Stress-Inducible Gene Expression in the Marine Red Alga <i>Neopyropia yezoensis</i> . <i>Cells</i> , 2022, 11, 1486.	4.1	1
4	The Absence of Hydrodynamic Stress Promotes Acquisition of Freezing Tolerance and Freeze-Dependent Asexual Reproduction in the Red Alga <i>Bangia</i> ™ sp. <i>ESS1</i> . <i>Plants</i> , 2021, 10, 465.	3.5	5
5	Primary Characterization of a Life-Cycle Mutant akasusabi of the Red Alga <i>Neopyropia yezoensis</i> . <i>Phycology</i> , 2021, 1, 14-26.	3.6	2
6	Heat-Stress Responses Differ among Species from Different <i>Bangia</i> ™ Clades of Bangiales (Rhodophyta). <i>Plants</i> , 2021, 10, 1733.	3.5	5
7	Blue-red chromatic acclimation in the red alga <i>Pyropia yezoensis</i> . <i>Algal Research</i> , 2021, 58, 102428.	4.6	0
8	Editorial: Environmental Stress-Promoting Responses in Algae. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	2
9	Establishment of a Live-Imaging Analysis for Polarized Growth of Conchocelis in the Multicellular Red Alga <i>Neopyropia yezoensis</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 716011.	3.6	1
10	Low temperature causes discoloration by repressing growth and nitrogen transporter gene expression in the edible red alga <i>Pyropia yezoensis</i> . <i>Marine Environmental Research</i> , 2020, 159, 105004.	2.5	12
11	Reproductive Responses to Wounding and Heat Stress in Gametophytic Thalli of the Red Alga <i>Pyropia yezoensis</i> . <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	16
12	A unique life cycle transition in the red seaweed <i>Pyropia yezoensis</i> depends on apospory. <i>Communications Biology</i> , 2019, 2, 299.	4.4	27
13	Heat-stress Memory is Responsible for Acquired Thermotolerance in <i>Bangia fuscopurpurea</i> . <i>Journal of Phycology</i> , 2019, 55, 971-975.	2.3	17
14	A Simple Procedure to Observe Phototropic Responses in the Red Seaweed <i>Pyropia yezoensis</i> . <i>Methods in Molecular Biology</i> , 2019, 1924, 121-130.	0.9	0
15	Difference in Nitrogen Starvation-Inducible Expression Patterns among Phylogenetically Diverse Ammonium Transporter Genes in the Red Seaweed <i>Pyropia yezoensis</i> . <i>American Journal of Plant Sciences</i> , 2019, 10, 1325-1349.	0.8	16
16	Discolored Red Seaweed <i>Pyropia yezoensis</i> with Low Commercial Value Is a Novel Resource for Production of Agar Polysaccharides. <i>Marine Biotechnology</i> , 2018, 20, 520-530.	2.4	9
17	Parthenosporophytes of the brown alga <i>Ectocarpus siliculosus</i> exhibit sex-dependent differences in thermotolerance as well as fatty acid and sterol composition. <i>Marine Environmental Research</i> , 2018, 137, 188-195.	2.5	8
18	The presence of free d-aspartate in marine macroalgae is restricted to the Sargassaceae family. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 268-273.	1.3	1

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19	Carotenoid Profiling of a Red Seaweed <i>Pyropia yezoensis</i> : Insights into Biosynthetic Pathways in the Order Bangiales. <i>Marine Drugs</i> , 2018, 16, 426.	4.6	26
20	Comprehensive phytohormone quantification in the red alga <i>Pyropia yezoensis</i> by liquid chromatography–mass spectrometry. , 2018, , 225-236.		2
21	Dietary supplementation of red alga <i>Pyropia</i> spheroplasts on growth, feed utilization and body composition of sea cucumber, <i>Apostichopus japonicus</i> (Selenka). <i>Aquaculture Research</i> , 2017, 48, 5363-5372.	1.8	7
22	Phytohormones in red seaweeds: a technical review of methods for analysis and a consideration of genomic data. <i>Botanica Marina</i> , 2017, 60, .	1.2	24
23	Optimization of yield and quality of agar polysaccharide isolated from the marine red macroalga <i>Pyropia yezoensis</i> . <i>Algal Research</i> , 2017, 26, 123-130.	4.6	34
24	Selection and functional analysis of a <i>Pyropia yezoensis</i> ammonium transporter PyAMT1 in potassium deficiency. <i>Journal of Applied Phycology</i> , 2017, 29, 2617-2626.	2.8	8
25	Simultaneous determination of primary and secondary amino acids by reversed-phase high-performance liquid chromatography using pre-column derivatization with two-step labelling method. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1681-1686.	1.3	16
26	Oxidative Stress Promotes Asexual Reproduction and Apogamy in the Red Seaweed <i>Pyropia yezoensis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 62.	3.6	30
27	Isolation and characterization of a new DUR3-like gene, PyDUR3.3, from the marine macroalga <i>Pyropia yezoensis</i> (Rhodophyta). <i>Fisheries Science</i> , 2016, 82, 171-184.	1.6	13
28	Comprehensive quantification and genome survey reveal the presence of novel phytohormone action modes in red seaweeds. <i>Journal of Applied Phycology</i> , 2016, 28, 2539-2548.	2.8	47
29	Phototropism in the Marine Red Macroalga <i>Pyropia yezoensis</i> . <i>American Journal of Plant Sciences</i> , 2016, 07, 2412-2428.	0.8	6
30	Chemoprotective effects of a recombinant protein from <i>Pyropia yezoensis</i> and synthetic peptide against acetaminophen-induced Chang liver cell death. <i>International Journal of Molecular Medicine</i> , 2015, 36, 369-376.	4.0	7
31	Characterization of an eukaryotic PL-7 Alginate Lyase in the Marine Red Alga <i>Pyropia Yezoensis</i> . <i>Current Biotechnology</i> , 2015, 4, 240-258.	0.4	31
32	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. <i>Frontiers in Plant Science</i> , 2014, 5, 380.	3.6	6
33	A technical breakthrough close at hand: feasible approaches toward establishing a gene-targeting genetic transformation system in seaweeds. <i>Frontiers in Plant Science</i> , 2014, 5, 498.	3.6	18
34	II-1. Regulatory mechanisms of morphogenesis and establishment of their analytical tools. <i>Nippon Suisan Gakkaishi</i> , 2014, 80, 827-827.	0.1	0
35	Identification and Efficient Utilization of Antibiotics for the Development of a Stable Transformation System in <i>Porphyra yezoensis</i> (Bangiales, Rhodophyta). <i>Journal of Aquaculture Research & Development</i> , 2014, 06, .	0.4	2
36	Comparative Genomic View of The Inositol-1,4,5-Trisphosphate Receptor in Plants. <i>Journal of Plant Biochemistry & Physiology</i> , 2014, 02, .	0.5	1

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37	Biosynthetic Pathway and Health Benefits of Fucoxanthin, an Algae-Specific Xanthophyll in Brown Seaweeds. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13763-13781.	4.1	177
38	Experience with imidafenacin in the management of overactive bladder disorder. <i>Therapeutic Advances in Urology</i> , 2013, 5, 43-58.	2.0	12
39	Functional expression of an animal type-Na ⁺ -ATPase gene from a marine red seaweed <i>Porphyra yezoensis</i> increases salinity tolerance in rice plants. <i>Plant Biotechnology</i> , 2013, 30, 417-422.	1.0	11
40	Transient Occlusion of Bilateral Internal Iliac Arteries Facilitates Bloodless Operative Field in Subcapsular Prostatectomy. <i>Case Reports in Medicine</i> , 2012, 2012, 1-3.	0.7	3
41	PIP kinases and their role in plant tip growing cells. <i>Plant Signaling and Behavior</i> , 2012, 7, 1302-1305.	2.4	9
42	III-1. Current status of "enori" cultivation and future on the application of genomic information. <i>Nippon Suisan Gakkaishi</i> , 2012, 78, 271.	0.1	0
43	Molecular characterization and expression analysis of sodium pump genes in the marine red alga <i>Porphyra yezoensis</i> . <i>Molecular Biology Reports</i> , 2012, 39, 7973-7980.	2.3	29
44	Development of an expression system using the heat shock protein 70 promoter in the red macroalga, <i>Porphyra tenera</i> . <i>Journal of Applied Phycology</i> , 2012, 24, 79-87.	2.8	21
45	The Selaginella Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	12.6	794
46	PIPKs are essential for rhizoid elongation and caulonemal cell development in the moss <i>Physcomitrella patens</i> . <i>Plant Journal</i> , 2011, 67, 635-647.	5.7	26
47	Transient Gene Expression System Established in <i>Porphyra yezoensis</i> Is Widely Applicable in Bangiophycean Algae. <i>Marine Biotechnology</i> , 2011, 13, 1038-1047.	2.4	41
48	Heterologous activation of the <i>Porphyra tenera</i> HSP70 promoter in Bangiophycean algal cells. <i>Bioengineered Bugs</i> , 2011, 2, 271-274.	1.7	6
49	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) <i>Tj ETQq1 1 0.784314 rgBT3 Overlo</i>		
50	Identification and Efficient Utilization of Antibiotics for the Development of a Stable Transformation System in <i>Porphyra yezoensis</i> (Bangiales, Rhodophyta). <i>Journal of Aquaculture Research & Development</i> , 2011, 02, .	0.4	6
51	Visualization of Nuclear Localization of Transcription Factors with Cyan and Green Fluorescent Proteins in the Red Alga <i>Porphyra yezoensis</i> . <i>Marine Biotechnology</i> , 2010, 12, 150-159.	2.4	32
52	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. <i>Plant Physiology</i> , 2010, 153, 1004-1015.	4.8	13
53	A Case of Hydrocele Stone with Its Composition Analysis. <i>Case Reports in Medicine</i> , 2010, 2010, 1-2.	0.7	1
54	A Case of Severe Hemorrhagic Cystitis Caused by Melphalan with Successful Bladder Preservation by Ligation of Bilateral Internal Iliac Arteries. <i>Case Reports in Medicine</i> , 2010, 2010, 1-3.	0.7	2

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55	Is membrane occupation and recognition nexus domain functional in plant phosphatidylinositol phosphate kinases?. <i>Plant Signaling and Behavior</i> , 2010, 5, 1241-1244.	2.4	14
56	Isolation and regeneration of transiently transformed protoplasts from gametophytic blades of the marine red alga <i>Porphyra yezoensis</i> . <i>Electronic Journal of Biotechnology</i> , 2010, 13, .	2.2	17
57	Photosynthesis-Dependent Extracellular Ca ²⁺ Influx Triggers an Asexual Reproductive Cycle in the Marine Red Macroalga <i>Porphyra yezoensis</i> . <i>American Journal of Plant Sciences</i> , 2010, 01, 1-11.	0.8	20
58	Characterization of Phosphatidylinositol Phosphate Kinases from the Moss <i>Physcomitrella patens</i> : PpPIP1 and PpPIP2. <i>Plant and Cell Physiology</i> , 2009, 50, 595-609.	3.1	20
59	Photosynthesis-dependent Ca ²⁺ influx and functional diversity between phospholipases in the formation of cell polarity in migrating cells of red algae. <i>Plant Signaling and Behavior</i> , 2009, 4, 911-913.	2.4	2
60	Ca ²⁺ influx and phosphoinositide signalling are essential for the establishment and maintenance of cell polarity in monospores from the red alga <i>Porphyra yezoensis</i> . <i>Journal of Experimental Botany</i> , 2009, 60, 3477-3489.	4.8	24
61	Visualization of Phosphoinositides via the Development of the Transient Expression System of a Cyan Fluorescent Protein in the Red Alga <i>Porphyra yezoensis</i> . <i>Marine Biotechnology</i> , 2009, 11, 563-569.	2.4	27
62	Functional expression of a humanized gene for an Δ^6 -3 fatty acid desaturase from scarlet flax in transfected bovine adipocytes and bovine embryos cloned from the cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 183-190.	2.4	10
63	Factors influencing efficiency of transient gene expression in the red macrophyte <i>Porphyra yezoensis</i> . <i>Plant Science</i> , 2008, 174, 329-339.	3.6	44
64	Effects of cell wall synthesis on cell polarity in the red alga <i>Porphyra yezoensis</i> . <i>Plant Signaling and Behavior</i> , 2008, 3, 1126-1128.	2.4	7
65	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 <i>Porphyra yezoensis</i> . <i>Journal of Experimental Botany</i> , 2008, 59, 3575-3586.	4.8	31
66	From The Cover: Functional expression of a Δ^{12} fatty acid desaturase gene from spinach in transgenic pigs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6361-6366.	7.1	131
67	Isolation of cDNAs encoding typical and novel types of phosphoinositide-specific phospholipase C from the moss <i>Physcomitrella patens</i> . <i>Journal of Experimental Botany</i> , 2004, 55, 1437-1439.	4.8	20
68	Phosphoinositide-specific phospholipase C is involved in cytokinin and gravity responses in the moss <i>Physcomitrella patens</i> . <i>Plant Journal</i> , 2004, 40, 250-259.	5.7	44
69	Lipid Metabolism in Mosses. , 2004, , 133-155.		10
70	Membrane fluidity and the perception of environmental signals in cyanobacteria and plants. <i>Progress in Lipid Research</i> , 2003, 42, 527-543.	11.6	198
71	Salt Stress and Hyperosmotic Stress Regulate the Expression of Different Sets of Genes in <i>Synechocystis</i> sp. PCC 6803. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 339-348.	2.1	273
72	The histidine kinase Hik33 perceives osmotic stress and cold stress in <i>Synechocystis</i> sp. PCC 6803. <i>Molecular Microbiology</i> , 2002, 46, 905-915.	2.5	185

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73	Cold-regulated genes under control of the cold sensor Hik33 in <i>Synechocystis</i> . <i>Molecular Microbiology</i> , 2001, 40, 235-244.	2.5	238
74	The pathway for perception and transduction of low-temperature signals in <i>Synechocystis</i> . <i>EMBO Journal</i> , 2000, 19, 1327-1334.	7.8	238
75	A novel <i>Arabidopsis thaliana</i> dynamin-like protein containing the pleckstrin homology domain1. <i>Journal of Experimental Botany</i> , 2000, 51, 317-318.	4.8	27
76	Molecular responses to water stress in <i>Arabidopsis thaliana</i> . <i>Journal of Plant Research</i> , 1998, 111, 345-351.	2.4	41
77	A gene encoding phosphatidylinositol 4-phosphate 5-kinase is induced by water stress and abscisic acid in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 1998, 15, 563-568.	5.7	173
78	The Modular Structure and Function of the Wheat H1 Promoter with S Phase-Specific Activity. <i>Plant and Cell Physiology</i> , 1998, 39, 294-306.	3.1	14
79	Molecular characterization of a cDNA encoding a novel small GTP-binding protein from <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997, 1354, 99-104.	2.4	7
80	Developmental and tissue-specific regulation of the gene for the wheat basic/leucine zipper protein HBP-1a(17) in transgenic <i>Arabidopsis</i> plants. <i>Molecular Genetics and Genomics</i> , 1995, 248, 573-582.	2.4	8
81	Gel mobility shift assay. , 1994, , 431-444.		2
82	HBP-1a and HBP-1b: leucine zipper-type transcription factors of wheat.. <i>EMBO Journal</i> , 1991, 10, 1459-1467.	7.8	113
83	Partial Purification and Characterization of Two Transcription Factors, HBP-1a and HBP-1b, Specific for a cis-Acting Element, ACGTCA, of Wheat Histone Genes. <i>Plant and Cell Physiology</i> , 1991, , .	3.1	0
84	Molecular cloning and nucleotide sequences of cDNAs for histone H1 and H2B variants from wheat. <i>Nucleic Acids Research</i> , 1991, 19, 5077-5077.	14.5	31
85	Wheat nuclear protein HBP-1 binds to the hexameric sequence in the promoter of various plant genus. <i>Nucleic Acids Research</i> , 1989, 17, 9707-9717.	14.5	37
86	A protein that binds to a cis-acting element of wheat histone genes has a leucine zipper motif. <i>Science</i> , 1989, 245, 965-967.	12.6	199
87	Multiplicity of the DNA-binding protein HBP-1 specific to the conserved hexameric sequence ACGTCA in various plant gene promoters. <i>FEBS Letters</i> , 1989, 256, 67-70.	2.8	34
88	Specific Interaction of Nuclear Protein HBP-1 with the Conserved Hexameric Sequence ACGTCA in the Regulatory Region of Wheat Histone Genes. <i>Plant and Cell Physiology</i> , 1989, 30, 107-119.	3.1	25
89	Cisacting Sequences that Modulate Transcription of Wheat Histone H3 and 5' Processing of H3 Premature mRNA. <i>Plant and Cell Physiology</i> , 1989, 30, 825-832.	3.1	34
90	DNA-binding protein(s) interacts with a conserved nonameric sequence(s) in the upstream regions of wheat histone genes. <i>FEBS Letters</i> , 1988, 239, 319-323.	2.8	29

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91	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
92	An Accurate Transcription of Wheat Histone Genes in Sunflower Cells. Plant and Cell Physiology, 1987, , .	3.1	1
93	Sensors of abiotic stress in Synechocystis. Topics in Current Genetics, 0, , 103-119.	0.7	5
94	Transient Transformation of Red Algal Cells: Breakthrough Toward Genetic Transformation of Marine Crop Porphyra Species. , 0, , .		13
95	Current Advances in Seaweed Transformation. , 0, , .		9