

Won-Joong Jeong

List of Publications by Year in descending order

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38
papers

983
citations

623734

14
h-index

454955

30
g-index

38
all docs

38
docs citations

38
times ranked

1297
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas9-induced knockout and knock-in mutations in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2016, 6, 27810.	3.3	315
2	The complete chloroplast genome sequences of <i>Solanum tuberosum</i> and comparative analysis with Solanaceae species identified the presence of a 241-bp deletion in cultivated potato chloroplast DNA sequence. <i>Plant Cell Reports</i> , 2006, 25, 1369-1379.	5.6	95
3	Untemplated Oligoadenylation Promotes Degradation of RISC-Cleaved Transcripts. <i>Science</i> , 2006, 314, 1893-1893.	12.6	74
4	Digital Microfluidic Approach for Efficient Electroporation with High Productivity: Transgene Expression of Microalgae without Cell Wall Removal. <i>Analytical Chemistry</i> , 2015, 87, 6592-6599.	6.5	44
5	A new Arctic <i>Chlorella</i> species for biodiesel production. <i>Bioresource Technology</i> , 2012, 125, 340-343.	9.6	42
6	Transcriptome sequencing and comparative analysis of the gametophyte thalli of <i>Pyropia tenera</i> under normal and high temperature conditions. <i>Journal of Applied Phycology</i> , 2013, 25, 1237-1246.	2.8	34
7	IDENTIFICATION OF THE HIGH-TEMPERATURE RESPONSE GENES FROM PORPHYRA SERIATA (RHODOPHYTA) EXPRESSION SEQUENCE TAGS AND ENHANCEMENT OF HEAT TOLERANCE OF CHLAMYDOMONAS (CHLOROPHYTA) BY EXPRESSION OF THE PORPHYRA HTR2 GENE1. <i>Journal of Phycology</i> , 2011, 47, 821-828.	2.3	33
8	Transcriptome-Based Identification of the Desiccation Response Genes in Marine Red Algae <i>Pyropia tenera</i> (Rhodophyta) and Enhancement of Abiotic Stress Tolerance by PtDRG2 in <i>Chlamydomonas</i> . <i>Marine Biotechnology</i> , 2017, 19, 232-245.	2.4	33
9	De novo assembly of transcriptome from the gametophyte of the marine red algae <i>Pyropia seriata</i> and identification of abiotic stress response genes. <i>Journal of Applied Phycology</i> , 2015, 27, 1343-1353.	2.8	32
10	Overexpression of stearoyl-ACP desaturase enhances accumulations of oleic acid in the green alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Biotechnology Reports</i> , 2014, 8, 135-142.	1.5	28
11	Plastid and mitochondrion genomic sequences from Arctic <i>Chlorella</i> sp. ArM0029B. <i>BMC Genomics</i> , 2014, 15, 286.	2.8	28
12	Comparative proteomics using lipid over-producing or less-producing mutants unravels lipid metabolisms in <i>Chlamydomonas reinhardtii</i> . <i>Bioresource Technology</i> , 2013, 145, 108-115.	9.6	26
13	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
14	Development of cyan fluorescent protein (CFP) reporter system in green alga <i>Chlamydomonas reinhardtii</i> and macroalgae <i>Pyropia</i> sp.. <i>Plant Biotechnology Reports</i> , 2013, 7, 407-414.	1.5	18
15	Overexpression of <i>Chlamydomonas reinhardtii</i> LCIA (CrLCIA) gene increases growth of <i>Nannochloropsis salina</i> CCMP1776. <i>Algal Research</i> , 2020, 46, 101807.	4.6	17
16	Characterization of high temperature-tolerant strains of <i>Pyropia yezoensis</i> . <i>Plant Biotechnology Reports</i> , 2018, 12, 365-373.	1.5	13
17	Genetic Impairment of Cellulose Biosynthesis Increases Cell Wall Fragility and Improves Lipid Extractability from Oleaginous Alga <i>Nannochloropsis salina</i> . <i>Microorganisms</i> , 2020, 8, 1195.	3.6	12
18	Elevated Inorganic Carbon Concentrating Mechanism Confers Tolerance to High Light in an Arctic <i>Chlorella</i> sp. ArM0029B. <i>Frontiers in Plant Science</i> , 2018, 9, 590.	3.6	11

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19	The establishment of new protein expression system using N starvation inducible promoters in <i>Chlorella</i> . <i>Scientific Reports</i> , 2020, 10, 12713.	3.3	11
20	Cucumber mosaic virus 2b protein inhibits RNA silencing pathways in green alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell Reports</i> , 2010, 29, 967-975.	5.6	10
21	Characterization of PyGUS gene silencing in the red macroalga, <i>Pyropia yezoensis</i> . <i>Plant Biotechnology Reports</i> , 2016, 10, 359-367.	1.5	10
22	<i>Arabidopsis AtMPV17</i> , a homolog of mice <i>MPV17</i> , enhances osmotic stress tolerance. <i>Physiology and Molecular Biology of Plants</i> , 2020, 26, 1341-1348.	3.1	8
23	PtCYP1 of marine red alga <i>Pyropia seriata</i> (Bangiales, Rhodophyta) confers salt and heat tolerance in <i>Chlamydomonas</i> . <i>Journal of Applied Phycology</i> , 2017, 29, 617-625.	2.8	7
24	PtDRG1, a Desiccation Response Gene from <i>Pyropia tenera</i> (Rhodophyta), Exhibits Chaperone Function and Enhances Abiotic Stress Tolerance. <i>Marine Biotechnology</i> , 2018, 20, 584-593.	2.4	7
25	The fate of extrachromosomal DNAs in the progeny of plastid-transformed tobacco plants. <i>Plant Biotechnology Reports</i> , 2015, 9, 431-442.	1.5	6
26	An episomal vector system for plastid transformation in higher plants. <i>Plant Biotechnology Reports</i> , 2015, 9, 443-449.	1.5	6
27	Reduced gene expression at the branch point of chlorophyll and heme biosynthesis in Arctic <i>Chlorella ArM0029B</i> . <i>Plant Biotechnology Reports</i> , 2017, 11, 9-15.	1.5	6
28	A nuclear fucosyltransferase-like protein, PtFUT, from marine red alga <i>Pyropia tenera</i> (Rhodophyta) confers osmotic stress tolerance. <i>Journal of Applied Phycology</i> , 2018, 30, 717-727.	2.8	6
29	Efficient plant regeneration from embryogenic cell suspension cultures of <i>Euonymus alatus</i> . <i>Scientific Reports</i> , 2021, 11, 15120.	3.3	6
30	Loss of copy number and expression of transgene during meiosis in <i>Pyropia tenera</i> . <i>Plant Biotechnology Reports</i> , 2019, 13, 653-661.	1.5	5
31	PyMPV17, the MPV17 Homolog of <i>Pyropia yezoensis</i> (Rhodophyta), Enhances Osmotic Stress Tolerance in <i>Chlamydomonas</i> . <i>Plant Molecular Biology Reporter</i> , 2020, 38, 39-47.	1.8	5
32	Salinity-dependent changes in growth and fatty acid composition of new Arctic <i>Chlamydomonas</i> species, ArM0029A. <i>Plant Cell, Tissue and Organ Culture</i> , 2015, 120, 1015-1021.	2.3	4
33	VaSpoU1 (SpoU gene) may be involved in organelle rRNA/tRNA modification in <i>Viscum album</i> . <i>Plant Biotechnology Reports</i> , 2011, 5, 289-295.	1.5	3
34	Development of genomic simple sequence repeat (SSR) markers of <i>Pyropia yezoensis</i> (Bangiales,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2021, 33, 3277-3285.	2.8	3
35	PtsHSP19.6, a small heat-shock protein from the marine red alga <i>Pyropia tenera</i> (Rhodophyta), aggregates into granules and enhances heat tolerance. <i>Journal of Applied Phycology</i> , 2019, 31, 1921-1929.	2.8	2
36	Production of porphyrin-334 in transgenic lines of <i>Nannochloropsis salina</i> by the expression of mycosporine-like amino acid biosynthetic genes of <i>P. yezoensis</i> . <i>Journal of Applied Phycology</i> , 2021, 33, 1663-1672.	2.8	1

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37	Downregulation of PyHRC1, encoding a novel secretory protein in the red alga <i>Pyropia yezoensis</i> , enhances heat tolerance. <i>Algae</i> , 2021, 36, 207-217.	2.3	1
38	Lilium Pollen Opto-perforation by ultrashort laser pulse. , 2007, , .		0