

Yunxiang Mao

List of Publications by Year in descending order

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60
papers

1,101
citations

471509

17
h-index

454955

30
g-index

60
all docs

60
docs citations

60
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Gene Expression and Physiological Analyses Reveal Molecular Mechanisms in Wound-Induced Spore Formation in the Edible Seaweed Nori. <i>Frontiers in Plant Science</i> , 2022, 13, 840439.	3.6	5
2	Heat Shock Protein 20 Gene Superfamilies in Red Algae: Evolutionary and Functional Diversities. <i>Frontiers in Plant Science</i> , 2022, 13, 817852.	3.6	6
3	Metagenome-Assembled Genomes From <i>Pyropia haitanensis</i> Microbiome Provide Insights Into the Potential Metabolic Functions to the Seaweed. <i>Frontiers in Microbiology</i> , 2022, 13, 857901.	3.5	9
4	A Toolbox for Constructing a Stable Genetic Transformation Platform Allowing Foreign Fragment Integration in the Genome of <i>Neopyropia yezoensis</i> . <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	2
5	On microbial community of <i>Pyropia haitanensis</i> by metagenomic analysis. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 1091-1102.	1.3	6
6	Development of organelle single nucleotide polymorphism (SNP) markers and their application for the identification of cytoplasmic inheritance patterns in <i>Pyropia yezoensis</i> (Bangiales, Rhodophyta). <i>Journal of Oceanology and Limnology</i> , 2021, 39, 1447-1457.	1.3	1
7	Biomass estimation of cultivated red algae <i>Pyropia</i> using unmanned aerial platform based multispectral imaging. <i>Plant Methods</i> , 2021, 17, 12.	4.3	13
8	Structural and Functional Impacts of Microbiota on <i>Pyropia yezoensis</i> and Surrounding Seawater in Cultivation Farms along Coastal Areas of the Yellow Sea. <i>Microorganisms</i> , 2021, 9, 1291.	3.6	9
9	Comparative Transcriptome Analysis Provides Insights into Response of <i>Ulva compressa</i> to Fluctuating Salinity Conditions. <i>Journal of Phycology</i> , 2021, 57, 1295-1308.	2.3	9
10	Genome-wide analysis of HSP70 gene superfamily in <i>Pyropia yezoensis</i> (Bangiales, Rhodophyta): identification, characterization and expression profiles in response to dehydration stress. <i>BMC Plant Biology</i> , 2021, 21, 435.	3.6	8
11	Construction of high-density genetic linkage map of <i>Pyropia yezoensis</i> (Bangiales, Rhodophyta) and identification of red color trait QTLs in the thalli. <i>Journal of Oceanology and Limnology</i> , 2021, 39, 1103-1117.	1.3	1
12	Floridean Starch and Floridoside Metabolic Pathways of <i>Neoporphyra haitanensis</i> and Their Regulatory Mechanism under Continuous Darkness. <i>Marine Drugs</i> , 2021, 19, 664.	4.6	7
13	Development of a PCR method for detection of <i>Pseudoalteromonas marina</i> associated with green spot disease in <i>Pyropia yezoensis</i> . <i>Journal of Oceanology and Limnology</i> , 2020, 38, 168-176.	1.3	2
14	A chromosome-level genome assembly of <i>Pyropia haitanensis</i> (Bangiales, Rhodophyta). <i>Molecular Ecology Resources</i> , 2020, 20, 216-227.	4.8	37
15	Defensive physiological characters of <i>Pyropia yezoensis</i> resistant lines to the red rot disease. <i>Journal of Oceanology and Limnology</i> , 2020, 38, 509-516.	1.3	2
16	Thallus sectioning as an efficient monospore release method in <i>Pyropia yezoensis</i> (Bangiales.) <i>TJ ETQq0 0 0 rgBT /Overlock 10 Tf 50 142</i>	2.8	28
17	Comparative Quantitative Proteomics Reveals the Desiccation Stress Responses of the Intertidal Seaweed <i>NEOPORPHYRA haitanensis</i> . <i>Journal of Phycology</i> , 2020, 56, 1664-1675.	2.3	7
18	<i>Pyropia yezoensis</i> genome reveals diverse mechanisms of carbon acquisition in the intertidal environment. <i>Nature Communications</i> , 2020, 11, 4028.	12.8	49

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19	Fine Mapping to Identify the Functional Genetic Locus for Red Coloration in <i>Pyropia yezoensis</i> Thallus. <i>Frontiers in Plant Science</i> , 2020, 11, 867.	3.6	6
20	Functional Characterization and Evolutionary Analysis of Glycine-Betaine Biosynthesis Pathway in Red Seaweed <i>Pyropia yezoensis</i> . <i>Marine Drugs</i> , 2019, 17, 70.	4.6	14
21	Distribution, Function and Polymorphism Characteristics of Microsatellites in <i>Pyropia yezoensis</i> Transcriptome. <i>Journal of Ocean University of China</i> , 2019, 18, 693-700.	1.2	2
22	Characterization of the squalene-rich <i>Botryococcus braunii</i> Abt02 strain. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 675-684.	1.3	3
23	Organellar Genome Variation and Genetic Diversity of Chinese <i>Pyropia yezoensis</i> . <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	10
24	Transcriptomic Insights into Innate Immunity Responding to Red Rot Disease in Red Alga <i>Pyropia yezoensis</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 5970.	4.1	18
25	Characterization of <i>Pythium chondricola</i> associated with red rot disease of <i>Pyropia yezoensis</i> (Ueda) (Bangiales, Rhodophyta) from Lianyungang, China. <i>Journal of Oceanology and Limnology</i> , 2019, 37, 1102-1112.	1.3	12
26	Gene expression profiles of <i>Pyropia yezoensis</i> in response to dehydration and rehydration stresses. <i>Marine Genomics</i> , 2019, 43, 43-49.	1.1	15
27	Genome-wide identification and expression pattern analysis under abiotic stress of mitogen-activated protein kinase genes in <i>Pyropia yezoensis</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 2561-2572.	2.8	18
28	Complete genome of <i>Cobetia marina</i> JCM 21022T and phylogenomic analysis of the family Halomonadaceae. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 528-536.	1.3	8
29	Behavioral and physiological photoresponses to light intensity by intertidal microphytobenthos. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 293-304.	1.3	14
30	Divergence time, historical biogeography and evolutionary rate estimation of the order Bangiales (Rhodophyta) inferred from multilocus data. <i>Journal of Oceanology and Limnology</i> , 2018, 36, 870-881.	1.3	13
31	The first complete organellar genomes of an Antarctic red alga, <i>Pyropia endiviifolia</i> : insights into its genome architecture and phylogenetic position within genus <i>Pyropia</i> (Bangiales, Rhodophyta). <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1315-1328.	1.3	12
32	HomBlocks: A multiple-alignment construction pipeline for organelle phylogenomics based on locally collinear block searching. <i>Genomics</i> , 2018, 110, 18-22.	2.9	183
33	Trace Metals Analysis Along the Fildes Peninsula Coastline Using Two Red Algae, <i>Rhodymenia antarctica</i> and <i>Iridaea cordata</i> , as Monitors. <i>Journal of Ocean University of China</i> , 2018, 17, 1487-1491.	1.2	2
34	Identification of proteins responding to pathogen-infection in the red alga <i>Pyropia yezoensis</i> using iTRAQ quantitative proteomics. <i>BMC Genomics</i> , 2018, 19, 842.	2.8	12
35	The first plastid genome of a filamentous taxon <i>Bangia</i> sp. OUCPT-01 in the Bangiales. <i>Scientific Reports</i> , 2018, 8, 10688.	3.3	6
36	Transcriptome-wide identification of optimal reference genes for expression analysis of <i>Pyropia yezoensis</i> responses to abiotic stress. <i>BMC Genomics</i> , 2018, 19, 251.	2.8	32

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37	Construction of Plastid Expression Vector and Development of Genetic Transformation System for the Seaweed <i>Pyropia yezoensis</i> . <i>Marine Biotechnology</i> , 2017, 19, 147-156.	2.4	12
38	Identification and characterization of PyAQPs from <i>Pyropia yezoensis</i> , which are involved in tolerance to abiotic stress. <i>Journal of Applied Phycology</i> , 2017, 29, 1695-1706.	2.8	9
39	Integrating transcriptomics and metabolomics to characterize the regulation of EPA biosynthesis in response to cold stress in seaweed <i>Bangia fuscopurpurea</i> . <i>PLoS ONE</i> , 2017, 12, e0186986.	2.5	26
40	The complete chloroplast genome of <i>Gracilariopsis lemaneiformis</i> (Rhodophyta) gives new insight into the evolution of family Gracilariaceae. <i>Journal of Phycology</i> , 2016, 52, 441-450.	2.3	43
41	Characterization of a novel fungal disease that infects the gametophyte of <i>Pyropia yezoensis</i> (Bangiales, Rhodophyta). <i>Journal of Applied Phycology</i> , 2016, 28, 395-404.	2.8	23
42	Genome-wide expression profiles of <i>Pyropia haitanensis</i> in response to osmotic stress by using deep sequencing technology. <i>BMC Genomics</i> , 2015, 16, 1012.	2.8	26
43	Comparative transcriptome profiling of <i>Pyropia yezoensis</i> (Ueda) M.S. Hwang & H.G. Choi in response to temperature stresses. <i>BMC Genomics</i> , 2015, 16, 463.	2.8	73
44	Selection of reference genes for gene expression normalization in <i>Pyropia yezoensis</i> using quantitative real-time PCR. <i>Journal of Applied Phycology</i> , 2015, 27, 1003-1010.	2.8	29
45	Complete mitochondrial genome of <i>Pyropia yezoensis</i> : reasserting the revision of genus <i>Porphyra</i> . <i>Mitochondrial DNA</i> , 2014, 25, 335-336.	0.6	26
46	De Novo Assembly and Characterization of the Transcriptome of Seagrass <i>Zostera marina</i> Using Illumina Paired-End Sequencing. <i>PLoS ONE</i> , 2014, 9, e112245.	2.5	36
47	Generation and analysis of expressed sequence tags from the salt-tolerant eelgrass species, <i>Zostera marina</i> . <i>Acta Oceanologica Sinica</i> , 2013, 32, 68-78.	1.0	14
48	Complete Sequence and Analysis of Plastid Genomes of Two Economically Important Red Algae: <i>Pyropia haitanensis</i> and <i>Pyropia yezoensis</i> . <i>PLoS ONE</i> , 2013, 8, e65902.	2.5	68
49	The complete mitochondrial genome of <i>Pyropia haitanensis</i> Chang et Zheng. <i>Mitochondrial DNA</i> , 2012, 23, 344-346.	0.6	20
50	Cloning and characterization of the HLIP gene encoding high light-inducible protein from <i>Porphyra yezoensis</i> . <i>Journal of Applied Phycology</i> , 2012, 24, 685-692.	2.8	6
51	Profiling of the transcriptome of <i>Porphyra yezoensis</i> with Solexa sequencing technology. <i>Science Bulletin</i> , 2011, 56, 2119-2130.	1.7	32
52	Morphology and molecular identification of <i>Ulva</i> forming green tides in Qingdao, China. <i>Journal of Ocean University of China</i> , 2011, 10, 73-79.	1.2	14
53	Cloning and characterization of proliferating cell nuclear antigen gene of <i>Alexandrium catenella</i> (Dinoflagellate) with respect to cell growth. <i>Acta Oceanologica Sinica</i> , 2010, 29, 90-96.	1.0	10
54	Genetic Analysis of <i>Porphyra yezoensis</i> Using Microsatellite Markers. <i>Plant Molecular Biology Reporter</i> , 2009, 27, 496-502.	1.8	32

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55	Cloning and analysis of calmodulin gene from <i>Porphyra yezoensis</i> Ueda (Bangiales, Rhodophyta). <i>Journal of Ocean University of China</i> , 2009, 8, 247-253.	1.2	6
56	Cloning and characterization of a Rab11 homologue in <i>Gracilariopsis lemaneiformis</i> . <i>Journal of Applied Phycology</i> , 2008, 20, 1103-1109.	2.8	5
57	Sequence analysis of <i>Arthrospira maxima</i> based on fosmid library. <i>Journal of Applied Phycology</i> , 2007, 19, 333-346.	2.8	3
58	Cloning and characterization of c-phycocyanin operon from the cyanobacterium <i>Arthrospira platensis</i> FACHB341. <i>Journal of Applied Phycology</i> , 2005, 17, 181-185.	2.8	6
59	Discrepancy in photosynthetic responses of the red alga <i>Pyropia yezoensis</i> to dehydration stresses under exposure to desiccation, high salinity, and high mannitol concentration. <i>Marine Life Science and Technology</i> , 0, , 1.	4.6	0
60	Cytological and transcriptional analysis reveal phosphatidylinositol signaling pathway plays key role in mitotic division of <i>Pyropia yezoensis</i> . <i>Journal of Oceanology and Limnology</i> , 0, , 1.	1.3	1