

Zhanru Shao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Transcriptome sequencing of <i>Saccharina japonica</i> sporophytes during whole developmental periods reveals regulatory networks underlying alginate and mannitol biosynthesis. <i>BMC Genomics</i> , 2019, 20, 975.	2.8	32
2	Identification and characterization of <i>Prunus persica</i> miRNAs in response to UVB radiation in greenhouse through high-throughput sequencing. <i>BMC Genomics</i> , 2017, 18, 938.	2.8	22
3	Comparative characterization of putative chitin deacetylases from <i>Phaeodactylum tricornutum</i> and <i>Thalassiosira pseudonana</i> highlights the potential for distinct chitin-based metabolic processes in diatoms. <i>New Phytologist</i> , 2019, 221, 1890-1905.	7.3	21
4	Characterization of Mannitol-2-Dehydrogenase in <i>Saccharina japonica</i> : Evidence for a New Polyol-Specific Long-Chain Dehydrogenases/Reductase. <i>PLoS ONE</i> , 2014, 9, e97935.	2.5	19
5	Comparative characterization of two GDP-mannose dehydrogenase genes from <i>Saccharina japonica</i> (Laminariales, Phaeophyceae). <i>BMC Plant Biology</i> , 2016, 16, 62.	3.6	17
6	Molecular characterisation and biochemical properties of phosphomannomutase/phosphoglucomutase (PMM/PGM) in the brown seaweed <i>Saccharina japonica</i> . <i>Journal of Applied Phycology</i> , 2018, 30, 2687-2696.	2.8	12
7	Genome-wide analysis of the <i>Saccharina japonica</i> sulfotransferase genes and their transcriptional profiles during whole developmental periods and under abiotic stresses. <i>BMC Plant Biology</i> , 2020, 20, 271.	3.6	12
8	Genome-wide identification of chitinase genes in <i>Thalassiosira pseudonana</i> and analysis of their expression under abiotic stresses. <i>BMC Plant Biology</i> , 2021, 21, 87.	3.6	12
9	NrDNA internal transcribed spacer revealed molecular diversity in strains of red seaweed <i>Porphyra yezoensis</i> and genetic insights for commercial breeding. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 791-799.	1.6	10
10	Full-Length Transcriptome of <i>Thalassiosira weissflogii</i> as a Reference Resource and Mining of Chitin-Related Genes. <i>Marine Drugs</i> , 2021, 19, 392.	4.6	9
11	Genome-wide identification of genes involved in carbon fixation in <i>Saccharina japonica</i> and responses of putative C4-related genes to bicarbonate concentration and light intensity. <i>Plant Physiology and Biochemistry</i> , 2019, 137, 75-83.	5.8	8
12	Glutamate Dehydrogenase Functions in Glutamic Acid Metabolism and Stress Resistance in <i>Pyropia haitanensis</i> . <i>Molecules</i> , 2021, 26, 6793.	3.8	5
13	Verification of the <i>Saccharina japonica</i> Translocon Tic20 and its Localization in the Chloroplast Membrane in Diatoms. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4000.	4.1	4