Ayumi Minoda

List of Publications by Year
in descending order

23 papers	2,038 citations	566801 15 h-index	713013 21 g-index
23 all docs	23 docs citations	23 times ranked	2302 citing authors

#	Article	IF	Citations
1	Genome sequence of the ultrasmall unicellular red alga Cyanidioschyzon merolae 10D. Nature, 2004, 428, 653-657.	13.7	1,016
2	Improvement of Culture Conditions and Evidence for Nuclear Transformation by Homologous Recombination in a Red Alga, Cyanidioschyzon merolae 10D. Plant and Cell Physiology, 2004, 45, 667-671.	1.5	219
3	Nitrate Assimilatory Genes and Their Transcriptional Regulation in a Unicellular Red Alga Cyanidioschyzon merolae: Genetic Evidence for Nitrite Reduction by a Sulfite Reductase-Like Enzyme. Plant and Cell Physiology, 2010, 51, 707-717.	1.5	86
4	Recovery of rare earth elements from the sulfothermophilic red alga Galdieria sulphuraria using aqueous acid. Applied Microbiology and Biotechnology, 2015, 99, 1513-1519.	1.7	86
5	Effective and selective recovery of gold and palladium ions from metal wastewater using a sulfothermophilic red alga, Galdieria sulphuraria. Bioresource Technology, 2016, 211, 759-764.	4.8	81
6	Involvement of sulfoquinovosyl diacylglycerol in the structural integrity and heat-tolerance of photosystemÂII. Planta, 2003, 217, 245-251.	1.6	74
7	Role of sulfoquinovosyl diacylglycerol for the maintenance of photosystemâ€ƒII inChlamydomonas reinhardtii. FEBS Journal, 2002, 269, 2353-2358.	0.2	70
8	Decrease in the efficiency of the electron donation to tyrosine Z of photosystem II in an SQDG-deficient mutant ofChlamydomonas. FEBS Letters, 2003, 553, 109-112.	1.3	62
9	Highly efficient single-cell analysis of microbial cells by time-resolved inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2014, 29, 1598-1606.	1.6	59
10	Structure of the triose-phosphate/phosphate translocator reveals the basis of substrate specificity. Nature Plants, 2017, 3, 825-832.	4.7	51
11	Profiling of lipid and glycogen accumulations under different growth conditions in the sulfothermophilic red alga Galdieria sulphuraria. Bioresource Technology, 2016, 200, 861-866.	4.8	44
12	Microarray Profiling of Plastid Gene Expression in a Unicellular Red Alga, Cyanidioschyzon merolae. Plant Molecular Biology, 2005, 59, 375-385.	2.0	40
13	Nucleus-Independent Control of the Rubisco Operon by the Plastid-Encoded Transcription Factor Ycf30 in the Red Alga Cyanidioschyzon merolae. Plant Physiology, 2010, 154, 1532-1540.	2.3	33
14	Air-Drying of Cells, the Novel Conditions for Stimulated Synthesis of Triacylglycerol in a Green Alga, Chlorella kessleri. PLoS ONE, 2013, 8, e79630.	1.1	33
15	External Light Conditions and Internal Cell Cycle Phases Coordinate Accumulation of Chloroplast and Mitochondrial Transcripts in the Red Alga Cyanidioschyzon merolae. DNA Research, 2012, 19, 289-303.	1.5	25
16	Cellular accumulation of cesium in the unicellular red alga Galdieria sulphuraria under mixotrophic conditions. Journal of Applied Phycology, 2018, 30, 3057-3061.	1.5	16
17	Isolation of Cycloheximide-resistant Mutants of Cyanidioschyzon merolae. Cytologia, 2004, 69, 97-100.	0.2	9
18	Recovery of Au from dilute aqua regia solutions via adsorption on the lyophilized cells of a unicellular red alga Galdieria sulphuraria: A mechanism study. Journal of Hazardous Materials, 2022, 425, 127982.	6.5	8

#	Article	IF	Citations
19	Labelâ€free detection of polysulfides and glycogen of Cyanidium caldarium using ultraâ€multiplex coherent antiâ€Stokes Raman scattering microspectroscopy. Journal of Raman Spectroscopy, 0, , .	1.2	7
20	Bioremediation of Biophilic Radionuclides by Algae. , 0, , .		5
21	A Genomics Approach to Understanding the Biology of Thermo-Acidophilic Red Algae. Cellular Origin and Life in Extreme Habitats, 2007, , 503-518.	0.3	5
22	Cell population behavior of the unicellular red alga Galdieria sulphuraria during precious metal biosorption. Journal of Hazardous Materials, 2022, 432, 128576.	6.5	5
23	Effect of lyophilization on the acid resistance of a unicellular red alga Galdieria sulphuraria during platinum recovery. Journal of Hazardous Materials Advances, 2021, 3, 100015.	1.2	4