Norihiro Sato

List of Publications by Year
in descending order

36 papers	1,440 citations	331670 21 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	1247 citing authors

#	Article	IF	Citations
1	Direct Evidence for Requirement of Phosphatidylglycerol in Photosystem II of Photosynthesis. Plant Physiology, 2000, 124, 795-804.	4.8	178
2	Roles of the acidic lipids sulfoquinovosyl diacylglycerol and phosphatidylglycerol in photosynthesis: their specificity and evolution. Journal of Plant Research, 2004, 117, 495-505.	2.4	119
3	Impaired Photosystem II in a Mutant of Chlamydomonas Reinhardtii Defective in Sulfoquinovosyl Diacylglycerol. FEBS Journal, 1995, 234, 16-23.	0.2	103
4	Sequential accumulation of starch and lipid induced by sulfur deficiency in Chlorella and Parachlorella species. Bioresource Technology, 2013, 129, 150-155.	9.6	87
5	Isolation and Characterization of Mutants Affected in Lipid Metabolism of Chlamydomonas Reinhardtii. FEBS Journal, 1995, 230, 987-993.	0.2	83
6	Differing involvement of sulfoquinovosyl diacylglycerol in photosystem II in two species of unicellular cyanobacteria. FEBS Journal, 2004, 271, 685-693.	0.2	79
7	Involvement of sulfoquinovosyl diacylglycerol in the structural integrity and heat-tolerance of photosystemÂII. Planta, 2003, 217, 245-251.	3.2	74
8	Utilization of a chloroplast membrane sulfolipid as a major internal sulfur source for protein synthesis in the early phase of sulfur starvation in <i>Chlamydomonas reinhardtii</i>. FEBS Letters, 2007, 581, 4519-4522.	2.8	72
9	Role of pyrenoids in the CO 2 -concentrating mechanism: comparative morphology, physiology and molecular phylogenetic analysis of closely related strains of Chlamydomonas and Chloromonas (Volvocales). Planta, 1999, 208, 365-372.	3.2	63
10	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.	2.8	62
11	Presence of the CO 2 -concentrating mechanism in some species of the pyrenoid-less free-living algal genus Chloromonas (Volvocales, Chlorophyta). Planta, 1998, 204, 269-276.	3.2	59
12	Responsibility of regulatory gene expression and repressed protein synthesis for triacylglycerol accumulation on sulfur-starvation in Chlamydomonas reinhardtii. Frontiers in Plant Science, 2014, 5, 444.	3.6	39
13	Regulation of synthesis and degradation of a sulfolipid under sulfurâ€starved conditions and its physiological significance in <i>Chlamydomonas reinhardtii</i>. New Phytologist, 2010, 185, 676-686.	7.3	37
14	Upregulation of PG synthesis on sulfur-starvation for PS I in Chlamydomonas. Biochemical and Biophysical Research Communications, 2008, 369, 660-665.	2.1	36
15	Glycerolipid synthesis in Chlorella kessleri 11h. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2003, 1633, 27-34.	2.4	35
16	Glycerolipid synthesis in Chlorella kessleri 11 h. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2003, 1633, 35-42.	2.4	35
17	Responsibility of phosphatidylglycerol for biogenesis of the PSI complex. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1658, 235-243.	1.0	35
18	Air-Drying of Cells, the Novel Conditions for Stimulated Synthesis of Triacylglycerol in a Green Alga, Chlorella kessleri. PLoS ONE, 2013, 8, e79630.	2.5	33

#	Article	IF	Citations
19	Isolation and Characterization of Mutants Affected in Lipid Metabolism of <i>Chlamydomonas Reinhardtii</i>. FEBS Journal, 1995, 230, 987-993.	0.2	28
20	Sulfite-stress induced functional and structural changes in the complexes of photosystems I and II in a cyanobacterium,<i>Synechococcus elongatus</i>PCC 7942. Plant and Cell Physiology, 2015, 56, 1521-1532.	3.1	26
21	Identification of a Gene for UDP-sulfoquinovose Synthase of a Green Alga, Chlamydomonas reinhardtii, and Its Phylogeny. DNA Research, 2003, 10, 229-237.	3.4	23
22	Hyperosmosis and its combination with nutrient-limitation are novel environmental stressors for induction of triacylglycerol accumulation in cells of Chlorella kessleri. Scientific Reports, 2016, 6, 25825.	3.3	18
23	Diacylglyceryl-N,N,N-trimethylhomoserine-dependent lipid remodeling in a green alga, Chlorella kessleri. Communications Biology, 2022, 5, 19.	4.4	18
24	Involvement of sulfoquinovosyl diacylglycerol in DNA synthesis in Synechocystis sp. PCC 6803. BMC Research Notes, 2012, 5, 98.	1.4	16
25	Identification of genes for sulfolipid synthesis in primitive red alga Cyanidioschyzon merolae. Biochemical and Biophysical Research Communications, 2016, 470, 123-129.	2.1	11
26	Species-specific roles of sulfolipid metabolism in acclimation of photosynthetic microbes to sulfur-starvation stress. PLoS ONE, 2017, 12, e0186154.	2.5	11
27	Contribution of protein synthesis depression to poly-Î²-hydroxybutyrate accumulation in Synechocystis sp. PCC 6803 under nutrient-starved conditions. Scientific Reports, 2019, 9, 19944.	3.3	11
28	Optimization of seawater-based triacylglycerol accumulation in a freshwater green alga, Chlorella kessleri , through simultaneous imposition of lowered-temperature and enhanced-light intensity. Algal Research, 2017, 28, 100-107.	4.6	10
29	Dispensability of a sulfolipid for photoautotrophic cell growth and photosynthesis in a marine cyanobacterium, Synechococcus sp. PCC 7002. Biochemical and Biophysical Research Communications, 2016, 477, 854-860.	2.1	9
30	Disturbance of cell-size determination by forced overproduction of sulfoquinovosyl diacylglycerol in the cyanobacterium Synechococcus elongatus PCC 7942. Biochemical and Biophysical Research Communications, 2017, 487, 734-739.	2.1	9
31	Regulatory carbon metabolism underlying seawater-based promotion of triacylglycerol accumulation in Chlorella kessleri. Bioresource Technology, 2019, 289, 121686.	9.6	7
32	Requirement of the exopolyphosphatase gene for cellular acclimation to phosphorus starvation in a cyanobacterium, Synechocystis sp. PCC 6803. Biochemical and Biophysical Research Communications, 2021, 540, 16-21.	2.1	6
33	Isolation and Identification of Chloroplast Lipids. Methods in Molecular Biology, 2011, 684, 95-104.	0.9	4
34	Isolation and Identification of Chloroplast Lipids. , 2004, 274, 149-158.		2
35	Fatty Acid Content and Composition of Triacylglycerols of Chlorella kessleri. Bio-protocol, 2018, 8, e2676.	0.4	1
36	Oil Accumulation in Microalgae for Biofuel Productionâ€”The Study in an Oleaginous Green Alga, <i>Chlorella kessleriâ€”</i>. Radioisotopes, 2018, 67, 571-572.	0.2	0