

Norihiro Sato

List of Publications by Year in descending order

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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	Diacylglyceryl-N,N,N-trimethylhomoserine-dependent lipid remodeling in a green alga, <i>Chlorella kessleri</i> . <i>Communications Biology</i> , 2022, 5, 19.	4.4	18
2	Requirement of the exopolyphosphatase gene for cellular acclimation to phosphorus starvation in a cyanobacterium, <i>Synechocystis</i> sp. PCC 6803. <i>Biochemical and Biophysical Research Communications</i> , 2021, 540, 16-21.	2.1	6
3	Regulatory carbon metabolism underlying seawater-based promotion of triacylglycerol accumulation in <i>Chlorella kessleri</i> . <i>Bioresource Technology</i> , 2019, 289, 121686.	9.6	7
4	Contribution of protein synthesis depression to poly- β -hydroxybutyrate accumulation in <i>Synechocystis</i> sp. PCC 6803 under nutrient-starved conditions. <i>Scientific Reports</i> , 2019, 9, 19944.	3.3	11
5	Oil Accumulation in Microalgae for Biofuel Production—The Study in an Oleaginous Green Alga, <i>Chlorella kessleri</i> . <i>Radioisotopes</i> , 2018, 67, 571-572.	0.2	0
6	Fatty Acid Content and Composition of Triacylglycerols of <i>Chlorella kessleri</i> . <i>Bio-protocol</i> , 2018, 8, e2676.	0.4	1
7	Disturbance of cell-size determination by forced overproduction of sulfoquinovosyl diacylglycerol in the cyanobacterium <i>Synechococcus elongatus</i> PCC 7942. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 734-739.	2.1	9
8	Optimization of seawater-based triacylglycerol accumulation in a freshwater green alga, <i>Chlorella kessleri</i> , through simultaneous imposition of lowered-temperature and enhanced-light intensity. <i>Algal Research</i> , 2017, 28, 100-107.	4.6	10
9	Species-specific roles of sulfolipid metabolism in acclimation of photosynthetic microbes to sulfur-starvation stress. <i>PLoS ONE</i> , 2017, 12, e0186154.	2.5	11
10	Hyperosmosis and its combination with nutrient-limitation are novel environmental stressors for induction of triacylglycerol accumulation in cells of <i>Chlorella kessleri</i> . <i>Scientific Reports</i> , 2016, 6, 25825.	3.3	18
11	Dispensability of a sulfolipid for photoautotrophic cell growth and photosynthesis in a marine cyanobacterium, <i>Synechococcus</i> sp. PCC 7002. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 854-860.	2.1	9
12	Identification of genes for sulfolipid synthesis in primitive red alga <i>Cyanidioschyzon merolae</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 123-129.	2.1	11
13	Sulfite-stress induced functional and structural changes in the complexes of photosystems I and II in a cyanobacterium, <i>Synechococcus elongatus</i> PCC 7942. <i>Plant and Cell Physiology</i> , 2015, 56, 1521-1532.	3.1	26
14	Responsibility of regulatory gene expression and repressed protein synthesis for triacylglycerol accumulation on sulfur-starvation in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2014, 5, 444.	3.6	39
15	Sequential accumulation of starch and lipid induced by sulfur deficiency in <i>Chlorella</i> and <i>Parachlorella</i> species. <i>Bioresource Technology</i> , 2013, 129, 150-155.	9.6	87
16	Air-Drying of Cells, the Novel Conditions for Stimulated Synthesis of Triacylglycerol in a Green Alga, <i>Chlorella kessleri</i> . <i>PLoS ONE</i> , 2013, 8, e79630.	2.5	33
17	Involvement of sulfoquinovosyl diacylglycerol in DNA synthesis in <i>Synechocystis</i> sp. PCC 6803. <i>BMC Research Notes</i> , 2012, 5, 98.	1.4	16
18	Isolation and Identification of Chloroplast Lipids. <i>Methods in Molecular Biology</i> , 2011, 684, 95-104.	0.9	4

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19	Regulation of synthesis and degradation of a sulfolipid under sulfur-starved conditions and its physiological significance in <i>Chlamydomonas reinhardtii</i> . <i>New Phytologist</i> , 2010, 185, 676-686.	7.3	37
20	Upregulation of PG synthesis on sulfur-starvation for PS I in <i>Chlamydomonas</i> . <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 660-665.	2.1	36
21	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> . <i>FEBS Letters</i> , 2007, 581, 4519-4522.	2.8	72
22	Differing involvement of sulfoquinovosyl diacylglycerol in photosystem II in two species of unicellular cyanobacteria. <i>FEBS Journal</i> , 2004, 271, 685-693.	0.2	79
23	Isolation and Identification of Chloroplast Lipids. , 2004, 274, 149-158.		2
24	Roles of the acidic lipids sulfoquinovosyl diacylglycerol and phosphatidylglycerol in photosynthesis: their specificity and evolution. <i>Journal of Plant Research</i> , 2004, 117, 495-505.	2.4	119
25	Responsibility of phosphatidylglycerol for biogenesis of the PSI complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2004, 1658, 235-243.	1.0	35
26	Involvement of sulfoquinovosyl diacylglycerol in the structural integrity and heat-tolerance of photosystem II. <i>Planta</i> , 2003, 217, 245-251.	3.2	74
27	Decrease in the efficiency of the electron donation to tyrosine Z of photosystem II in an SQDG-deficient mutant of <i>Chlamydomonas</i> . <i>FEBS Letters</i> , 2003, 553, 109-112.	2.8	62
28	Glycerolipid synthesis in <i>Chlorella kessleri</i> 11h. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003, 1633, 27-34.	2.4	35
29	Glycerolipid synthesis in <i>Chlorella kessleri</i> 11 h. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003, 1633, 35-42.	2.4	35
30	Identification of a Gene for UDP-sulfoquinovose Synthase of a Green Alga, <i>Chlamydomonas reinhardtii</i> , and Its Phylogeny. <i>DNA Research</i> , 2003, 10, 229-237.	3.4	23
31	Direct Evidence for Requirement of Phosphatidylglycerol in Photosystem II of Photosynthesis. <i>Plant Physiology</i> , 2000, 124, 795-804.	4.8	178
32	Role of pyrenoids in the CO ₂ -concentrating mechanism: comparative morphology, physiology and molecular phylogenetic analysis of closely related strains of <i>Chlamydomonas</i> and <i>Chloromonas</i> (Volvocales). <i>Planta</i> , 1999, 208, 365-372.	3.2	63
33	Presence of the CO ₂ -concentrating mechanism in some species of the pyrenoid-less free-living algal genus <i>Chloromonas</i> (Volvocales, Chlorophyta). <i>Planta</i> , 1998, 204, 269-276.	3.2	59
34	Impaired Photosystem II in a Mutant of <i>Chlamydomonas Reinhardtii</i> Defective in Sulfoquinovosyl Diacylglycerol. <i>FEBS Journal</i> , 1995, 234, 16-23.	0.2	103
35	Isolation and Characterization of Mutants Affected in Lipid Metabolism of <i>Chlamydomonas Reinhardtii</i> . <i>FEBS Journal</i> , 1995, 230, 987-993.	0.2	28
36	Isolation and Characterization of Mutants Affected in Lipid Metabolism of <i>Chlamydomonas Reinhardtii</i> . <i>FEBS Journal</i> , 1995, 230, 987-993.	0.2	83