Shuhei Ota

List of Publications by Year
in descending order

41	990	471061 17	433756 31
papers	citations	h-index	g-index

44	44	44	1227
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Three-Dimensional Ultrastructural Study of Oil and Astaxanthin Accumulation during Encystment in the Green Alga Haematococcus pluvialis. PLoS ONE, 2013, 8, e53618.	1.1	160
2	Starch and lipid accumulation in eight strains of six Chlorella species under comparatively high light intensity and aeration culture conditions. Bioresource Technology, 2014, 158, 127-134.	4.8	119
3	Sequential accumulation of starch and lipid induced by sulfur deficiency in Chlorella and Parachlorella species. Bioresource Technology, 2013, 129, 150-155.	4.8	87
4	Carotenoid dynamics and lipid droplet containing astaxanthin in response to light in the green alga Haematococcus pluvialis. Scientific Reports, 2018, 8, 5617.	1.6	57
5	Highly efficient lipid production in the green alga Parachlorella kessleri: draft genome and transcriptome endorsed by whole-cell 3D ultrastructure. Biotechnology for Biofuels, 2016, 9, 13.	6.2	56
6	Deciphering the relationship among phosphate dynamics, electron-dense body and lipid accumulation in the green alga Parachlorella kessleri. Scientific Reports, 2016, 6, 25731.	1.6	53
7	What is the correct name for the type of Haematococcus Flot. (Volvocales, Chlorophyceae)?. Taxon, 2016, 65, 343-348.	0.4	43
8	Partenskyella glossopodia gen. et sp. nov., the First Report of a Chlorarachniophyte that Lacks a Pyrenoid. Protist, 2009, 160, 137-150.	0.6	28
9	Characterization of Periplastidal Compartmentâ€“Targeting Signals in Chlorarachniophytes. Molecular Biology and Evolution, 2010, 27, 1538-1545.	3.5	28
10	Comparison of lipid productivity of Parachlorella kessleri heavy-ion beam irradiation mutant PK4 in laboratory and 150-L mass bioreactor, identification and characterization of its genetic variation. Algal Research, 2018, 35, 416-426.	2.4	27
11	Phenotypic spectrum of Parachlorella kessleri (Chlorophyta) mutants produced by heavy-ion irradiation. Bioresource Technology, 2013, 149, 432-438.	4.8	26
12	Lotharella vacuolata sp. nov., a new species of chlorarachniophyte algae, and time-lapse video observations on its unique post-cell division behavior. Phycological Research, 2005, 53, 275-286.	0.8	23
13	TAXONOMIC STUDY OFBIGELOWIELLA LONGIFILASP. NOV. (CHLORARACHNIOPHYTA) AND A TIME-LAPSE VIDEO OBSERVATION OF THE UNIQUE MIGRATION OF AMOEBOID CELLS. Journal of Phycology, 2007, 43, 333-343.	1.0	23
14	Norrisiella sphaerica gen. et sp. nov., a new coccoid chlorarachniophyte from Baja California, Mexico. Journal of Plant Research, 2007, 120, 661-670.	1.2	23
15	A Simple Method for Measuring the Starch and Lipid Contents in the Cell of Microalgae. Cytologia, 2015, 80, 475-481.	0.2	22
16	Localization and evolution of septins in algae. Plant Journal, 2013, 74, 605-614.	2.8	20
17	Coproduction of lipids and extracellular polysaccharides from the novel green alga Parachlorella sp. BX1.5 depending on cultivation conditions. Biotechnology Reports (Amsterdam, Netherlands), 2020, 25, e00392.	2.1	20
18	Lotharella oceanica sp. nov. â€“ a new planktonic chlorarachniophyte studied by light and electron microscopy. Phycologia, 2009, 48, 315-323.	0.6	19

#	Article	IF	Citations
19	Cleavage, incomplete inversion, and cytoplasmic bridges in Gonium pectorale (Volvocales,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.2	14
20	Independent regulation of the lipid and starch synthesis pathways by sulfate metabolites in the green microalga Parachlorella kessleri under sulfur starvation conditions. Algal Research, 2018, 36, 37-47.	2.4	13
21	Research note: Amorphochlora amoebiformis gen. et comb. nov. (Chlorarachniophyceae). Phycological Research, 2011, 59, 52-53.	0.8	12
22	Lotharella reticulosa sp. nov.: A Highly Reticulated Network Forming Chlorarachniophyte from the Mediterranean Sea. Protist, 2012, 163, 91-104.	0.6	12
23	<i>Ulva partita</i> sp. nov., a Novel <i>Enteromorpha</i>-Like <i>Ulva</i> Species from Japanese Coastal Areas. Cytologia, 2015, 80, 261-270.	0.2	12
24	Image-Based Monitoring System for Green Algal Haematococcus pluvialis (Chlorophyceae) Cells during Culture. Plant and Cell Physiology, 2013, 54, 1917-1929.	1.5	11
25	Characterization of Growth and Cell Cycle Events Affected by Light Intensity in the Green Alga Parachlorella kessleri: A New Model for Cell Cycle Research. Biomolecules, 2021, 11, 891.	1.8	10
26	Supra-Optimal Temperature: An Efficient Approach for Overaccumulation of Starch in the Green Alga Parachlorella kessleri. Cells, 2021, 10, 1806.	1.8	9
27	Extraction and Molybdenum Blue-based Quantification of Total Phosphate and Polyphosphate in Parachlorella. Bio-protocol, 2017, 7, e2539.	0.2	9
28	Gymnochlora dimorpha sp. nov., a chlorarachniophyte with unique daughter cell behaviour. Phycologia, 2011, 50, 317-326.	0.6	8
29	Ultrastructure and Molecular Phylogeny of Thaumatomonads (Cercozoa) with Emphasis on Thaumatomastix salina from Oslofjorden, Norway. Protist, 2012, 163, 560-573.	0.6	7
30	HAP2/GCS1 Is Involved in the Sexual Reproduction System of the Marine Macroalga Ulva compressa (Ulvales, Chlorophyta). Cytologia, 2014, 79, 575-584.	0.2	6
31	The <i>Parachlorella</i> Genome and Transcriptome Endorse Active RWP-RK, Meiosis and Flagellar Genes in Trebouxiophycean Algae. Cytologia, 2019, 84, 323-330.	0.2	6
32	3D-TEM Imaging Demonstrating Dynamic Conversion of Starch and Oil in a Cell of <i>Chlorella sorokiniana</i>. Cytologia, 2014, 79, 287-288.	0.2	5
33	Isolation of mitochondrial and plastid ftsZ genes and analysis of the organelle targeting sequence in the diatom Chaetoceros neogracile (Diatoms, Bacillariophyceae). Phycological Research, 2012, 60, 123-136.	0.8	4
34	Three-dimensional ultrastructure and hyperspectral imaging of metabolite accumulation and dynamics inHaematococcusandChlorella. Microscopy (Oxford, England), 2019, 68, 57-68.	0.7	4
35	Differential heavy metal sensitivity in seven algal species from the NIES culture collection based on delayed fluorescence assays. Phycological Research, 2020, 68, 41-49.	0.8	4
36	Morphological changes of giant mitochondria in the unicellular to multicellular phase during parthenogenesis of Ulva partita (Ulvophyceae) revealed by expression of mitochondrial targeting <scp>GFP</scp> and <scp>PEG</scp> transformation. Phycological Research, 2016, 64, 176-184.	0.8	3

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37	Life Cycle and Lectin-Binding Patterns in the Chytrid Fungus Chytriomyces hyalinus. Cytologia, 2015, 80, 125-129.	0.2	2
38	Propidium Iodide Staining and Flow Cytometry-Based Assessment of Heavy Metal Impact on Marine Phytoplankton. Cytologia, 2022, 87, 177-187.	0.2	2
39	Avoidance strategy of high light in Haematococcus . Plant Morphology, 2019, 31, 19-23.	0.1	1
40	3D-TEM reveals the dynamics of ultrastructural changes in the green alga <i>Haematococcus pluvialis</i> after astaxanthin accumulation. Plant Morphology, 2015, 27, 3-7.	0.1	0
41	Chlorella biomaterials: phosphate, starch, oil and possible involvement of autophagy. Plant Morphology, 2017, 29, 57-61.	0.1	0