

Shuheï Ota

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Propidium Iodide Staining and Flow Cytometry-Based Assessment of Heavy Metal Impact on Marine Phytoplankton. <i>Cytologia</i> , 2022, 87, 177-187.	0.2	2
2	Characterization of Growth and Cell Cycle Events Affected by Light Intensity in the Green Alga <i>Parachlorella kessleri</i> : A New Model for Cell Cycle Research. <i>Biomolecules</i> , 2021, 11, 891.	1.8	10
3	Supra-Optimal Temperature: An Efficient Approach for Overaccumulation of Starch in the Green Alga <i>Parachlorella kessleri</i> . <i>Cells</i> , 2021, 10, 1806.	1.8	9
4	Differential heavy metal sensitivity in seven algal species from the NIES culture collection based on delayed fluorescence assays. <i>Phycological Research</i> , 2020, 68, 41-49.	0.8	4
5	Coproduction of lipids and extracellular polysaccharides from the novel green alga <i>Parachlorella</i> sp. BX1.5 depending on cultivation conditions. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 25, e00392.	2.1	20
6	Three-dimensional ultrastructure and hyperspectral imaging of metabolite accumulation and dynamics in <i>Haematococcus</i> and <i>Chlorella</i> . <i>Microscopy (Oxford, England)</i> , 2019, 68, 57-68.	0.7	4
7	The <i>Parachlorella</i> Genome and Transcriptome Endorse Active RWP-RK, Meiosis and Flagellar Genes in Trebouxiophycean Algae. <i>Cytologia</i> , 2019, 84, 323-330.	0.2	6
8	Avoidance strategy of high light in <i>Haematococcus</i> . <i>Plant Morphology</i> , 2019, 31, 19-23.	0.1	1
9	Carotenoid dynamics and lipid droplet containing astaxanthin in response to light in the green alga <i>Haematococcus pluvialis</i> . <i>Scientific Reports</i> , 2018, 8, 5617.	1.6	57
10	Comparison of lipid productivity of <i>Parachlorella kessleri</i> heavy-ion beam irradiation mutant PK4 in laboratory and 150-L mass bioreactor, identification and characterization of its genetic variation. <i>Algal Research</i> , 2018, 35, 416-426.	2.4	27
11	Independent regulation of the lipid and starch synthesis pathways by sulfate metabolites in the green microalga <i>Parachlorella kessleri</i> under sulfur starvation conditions. <i>Algal Research</i> , 2018, 36, 37-47.	2.4	13
12	Extraction and Molybdenum Blue-based Quantification of Total Phosphate and Polyphosphate in <i>Parachlorella</i> . <i>Bio-protocol</i> , 2017, 7, e2539.	0.2	9
13	<i>Chlorella</i> biomaterials: phosphate, starch, oil and possible involvement of autophagy. <i>Plant Morphology</i> , 2017, 29, 57-61.	0.1	0
14	What is the correct name for the type of <i>Haematococcus</i> Flot. (Volvocales, Chlorophyceae)?. <i>Taxon</i> , 2016, 65, 343-348.	0.4	43
15	Morphological changes of giant mitochondria in the unicellular to multicellular phase during parthenogenesis of <i>Ulva partita</i> (Ulvophyceae) revealed by expression of mitochondrial targeting GFP and PEG transformation. <i>Phycological Research</i> , 2016, 64, 176-184.	0.8	3
16	Deciphering the relationship among phosphate dynamics, electron-dense body and lipid accumulation in the green alga <i>Parachlorella kessleri</i> . <i>Scientific Reports</i> , 2016, 6, 25731.	1.6	53
17	Highly efficient lipid production in the green alga <i>Parachlorella kessleri</i> : draft genome and transcriptome endorsed by whole-cell 3D ultrastructure. <i>Biotechnology for Biofuels</i> , 2016, 9, 13.	6.2	56
18	<i>Ulva partita</i> sp. nov., a Novel <i>Enteromorpha</i> -Like <i>Ulva</i> Species from Japanese Coastal Areas. <i>Cytologia</i> , 2015, 80, 261-270.	0.2	12

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19	Life Cycle and Lectin-Binding Patterns in the Chytrid Fungus <i>Chytrium hyalinus</i> . Cytologia, 2015, 80, 125-129.	0.2	2
20	A Simple Method for Measuring the Starch and Lipid Contents in the Cell of Microalgae. Cytologia, 2015, 80, 475-481.	0.2	22
21	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
22	Starch and lipid accumulation in eight strains of six <i>Chlorella</i> species under comparatively high light intensity and aeration culture conditions. Bioresource Technology, 2014, 158, 127-134.	4.8	119
23	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
24	HAP2/GCS1 Is Involved in the Sexual Reproduction System of the Marine Macroalga <i>Ulva compressa</i> (Ulvales, Chlorophyta). Cytologia, 2014, 79, 575-584.	0.2	6
25	Sequential accumulation of starch and lipid induced by sulfur deficiency in <i>Chlorella</i> and <i>Parachlorella</i> species. Bioresource Technology, 2013, 129, 150-155.	4.8	87
26	Phenotypic spectrum of <i>Parachlorella kessleri</i> (Chlorophyta) mutants produced by heavy-ion irradiation. Bioresource Technology, 2013, 149, 432-438.	4.8	26
27	Cleavage, incomplete inversion, and cytoplasmic bridges in <i>Gonium pectorale</i> (Volvocales). <i>Journal of Eukaryotic Microbiology</i> , 2013, 10, 1-14.	1.2	14
28	Localization and evolution of septins in algae. Plant Journal, 2013, 74, 605-614.	2.8	20
29	Image-Based Monitoring System for Green Algal <i>Haematococcus pluvialis</i> (Chlorophyceae) Cells during Culture. Plant and Cell Physiology, 2013, 54, 1917-1929.	1.5	11
30	Three-Dimensional Ultrastructural Study of Oil and Astaxanthin Accumulation during Encystment in the Green Alga <i>Haematococcus pluvialis</i> . PLoS ONE, 2013, 8, e53618.	1.1	160
31	<i>Lotharella reticulosa</i> sp. nov.: A Highly Reticulated Network Forming Chlorarachniophyte from the Mediterranean Sea. Protist, 2012, 163, 91-104.	0.6	12
32	Ultrastructure and Molecular Phylogeny of Thaumatomonads (Cercozoa) with Emphasis on <i>Thaumatomastix salina</i> from Oslofjorden, Norway. Protist, 2012, 163, 560-573.	0.6	7
33	Isolation of mitochondrial and plastid <i>ftsZ</i> genes and analysis of the organelle targeting sequence in the diatom <i>Chaetoceros neogracile</i> (Diatoms, Bacillariophyceae). Phycological Research, 2012, 60, 123-136.	0.8	4
34	Research note: <i>Amorphochlora amoebiformis</i> gen. et comb. nov. (Chlorarachniophyceae). Phycological Research, 2011, 59, 52-53.	0.8	12
35	<i>Gymnochlora dimorpha</i> sp. nov., a chlorarachniophyte with unique daughter cell behaviour. Cytologia, 2011, 50, 317-326.	0.6	8
36	Characterization of Periplastidal Targeting Signals in Chlorarachniophytes. Molecular Biology and Evolution, 2010, 27, 1538-1545.	3.5	28

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37	<i>Partenskyella glossopodia</i> gen. et sp. nov., the First Report of a Chlorarachniophyte that Lacks a Pyrenoid. <i>Protist</i> , 2009, 160, 137-150.	0.6	28
38	<i>Lotharella oceanica</i> sp. nov. “a new planktonic chlorarachniophyte studied by light and electron microscopy. <i>Phycologia</i> , 2009, 48, 315-323.	0.6	19
39	TAXONOMIC STUDY OF <i>BIGELOWIELLA LONGIFILAS</i> SP. NOV. (CHLORARACHNIOPHYTA) AND A TIME-LAPSE VIDEO OBSERVATION OF THE UNIQUE MIGRATION OF AMOEBOID CELLS. <i>Journal of Phycology</i> , 2007, 43, 333-343.	1.0	23
40	<i>Norrisiella sphaerica</i> gen. et sp. nov., a new coccoid chlorarachniophyte from Baja California, Mexico. <i>Journal of Plant Research</i> , 2007, 120, 661-670.	1.2	23
41	<i>Lotharella vacuolata</i> sp. nov., a new species of chlorarachniophyte algae, and time-lapse video observations on its unique post-cell division behavior. <i>Phycological Research</i> , 2005, 53, 275-286.	0.8	23