

Chikako Nagasato

List of Publications by Year in descending order

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34
papers

1,291
citations

516710

16
h-index

414414

32
g-index

34
all docs

34
docs citations

34
times ranked

1583
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ectocarpus genome and the independent evolution of multicellularity in brown algae. <i>Nature</i> , 2010, 465, 617-621.	27.8	774
2	Targeted CRISPR-Cas9-based gene knockouts in the model brown alga <i>Ectocarpus</i> . <i>New Phytologist</i> , 2021, 231, 2077-2091.	7.3	41
3	Influence of Centriole Behavior on the First Spindle Formation in Zygotes of the Brown Alga <i>Fucus distichus</i> (Fucales, Phaeophyceae). <i>Developmental Biology</i> , 1999, 208, 200-209.	2.0	33
4	Cytoplasmic inheritance of organelles in brown algae. <i>Journal of Plant Research</i> , 2010, 123, 185-192.	2.4	33
5	Proteomics Analysis of Heterogeneous Flagella in Brown Algae (Stramenopiles). <i>Protist</i> , 2014, 165, 662-675.	1.5	32
6	Ultrastructural study of plasmodesmata in the brown alga <i>Dictyota dichotoma</i> (Dictyotales). <i>Journal of Phycology</i> , 2010, 46, 542-550.	3.2	30
7	Membrane fusion process and assembly of cell wall during cytokinesis in the brown alga, <i>Silvetia babingtonii</i> (Fucales, Phaeophyceae). <i>Planta</i> , 2010, 232, 287-298.	3.2	28
8	Plasmodesmata of brown algae. <i>Journal of Plant Research</i> , 2015, 128, 7-15.	2.4	28
9	Influence of the centrosome in cytokinesis of brown algae: polyspermic zygotes of <i>Scytosiphon lomentaria</i> (Scytosiphonales, Phaeophyceae). <i>Journal of Cell Science</i> , 2002, 115, 2541-8.	2.0	27
10	Inheritance of mitochondrial and chloroplast genomes in the isogamous brown alga <i>Scytosiphon lomentaria</i> (Phaeophyceae). <i>Phycological Research</i> , 2006, 54, 65-71.	1.6	26
11	Distribution of alginate and cellulose and regulatory role of calcium in the cell wall of the brown alga <i>Ectocarpus siliculosus</i> (Ectocarpales, Phaeophyceae). <i>Planta</i> , 2016, 244, 361-377.	3.2	26
12	Selective disappearance of maternal centrioles after fertilization in the anisogamous brown alga <i>Cutleria cylindrica</i> (Cutleriales, Phaeophyceae): Paternal inheritance of centrioles is universal in the brown algae. <i>Phycological Research</i> , 1998, 46, 191-198.	1.6	24
13	Phylogeographic data revealed shallow genetic structure in the kelp <i>Saccharina japonica</i> (Laminariales, Phaeophyta). <i>BMC Evolutionary Biology</i> , 2015, 15, 237.	3.2	24
14	Phylogeographic diversification and postglacial range dynamics shed light on the conservation of the kelp <i>Saccharina japonica</i> . <i>Evolutionary Applications</i> , 2019, 12, 791-803.	3.1	22
15	Spindle formation in karyogamy-blocked zygotes of the isogamous brown alga <i>Scytosiphon lomentaria</i> (Scytosiphonales, Phaeophyceae). <i>European Journal of Phycology</i> , 2000, 35, 339-347.	2.0	17
16	EFFECT OF LATRUNCULIN B AND BREFELDIN A ON CYTOKINESIS IN THE BROWN ALGA <i>SCYTOSIPHON LOMENTARIA</i> (SCYTOSIPHONALES, PHAEOPHYCEAE). <i>Journal of Phycology</i> , 2009, 45, 404-412.	2.3	17
17	Diaphragm development in cytokinetic vegetative cells of brown algae. <i>Botanica Marina</i> , 2009, 52, 150-161.	1.2	15
18	DISAPPEARANCE OF MALE MITOCHONDRIAL DNA AFTER THE FOUR-CELL STAGE IN SPOROPHYTES OF THE ISOGAMOUS BROWN ALGA <i>SCYTOSIPHON LOMENTARIA</i> (SCYTOSIPHONACEAE, PHAEOPHYCEAE). <i>Journal of Phycology</i> , 2010, 46, 143-152.	2.3	13

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19	Intercellular translocation of molecules via plasmodesmata in the multiseriate filamentous brown alga, <i>Halopteris congesta</i> (Sphacelariales, Phaeophyceae). <i>Journal of Phycology</i> , 2017, 53, 333-341.	2.3	12
20	Ultrastructural analysis of flagellar development in plurilocular sporangia of <i>Ectocarpus siliculosus</i> (Phaeophyceae). <i>Protoplasma</i> , 2013, 250, 261-272.	2.1	11
21	Development and function of plasmodesmata in zygotes of <i>Fucus distichus</i> . <i>Botanica Marina</i> , 2015, 58, 229-238.	1.2	8
22	Branch regeneration induced by sever damage in the brown alga <i>Dictyota dichotoma</i> (dictyotales). <i>Trends in Plant Science</i> , 2011, 16, 107-110.	2.1	10
23	Electron tomographic analysis of cytokinesis in the brown alga <i>Silvetia babingtonii</i> (Fucales). <i>Trends in Plant Science</i> , 2011, 16, 107-110.	2.1	10
24	Intercellular transport across pit-connections in the filamentous red alga <i>Griffithsia monilis</i> . <i>Algae</i> , 2022, 37, 75-84.	2.3	7
25	Assembly and synthesis of the extracellular matrix in brown algae. <i>Seminars in Cell and Developmental Biology</i> , 2023, 134, 112-124.	5.0	6
26	Sperm Mitochondrial DNA Elimination in the Zygote of the Oogamous Brown Alga <i>Undaria pinnatifida</i> (Laminariales, Phaeophyceae). <i>Cytologia</i> , 2010, 75, 353-361.	0.6	5
27	Quantification of laminarialean zoospores in seawater by real-time PCR. <i>Phycological Research</i> , 2020, 68, 57-62.	1.6	3
28	Detecting no natural hybridization and predicting range overlap in <i>Saccharina angustata</i> and <i>Saccharina japonica</i> . <i>Journal of Applied Phycology</i> , 2021, 33, 693-702.	2.8	3
29	Changes in Cell Wall Structure During Rhizoid Formation of <i>Silvetia babingtonii</i> (Fucales). <i>Trends in Plant Science</i> , 2011, 16, 107-110.	2.3	3
30	Cryofixation of brown algae for transmission electron microscopy. <i>Journal of Microscopy</i> , 2018, 171, 381-389.		3
31	Cytoplasmic inheritance of mitochondria and chloroplasts in the anisogamous brown alga <i>Mutimo cylindricus</i> (Phaeophyceae). <i>Protoplasma</i> , 2021, 258, 19-32.	2.1	2
32	Effect of brefeldin A and the dynamics of the actin plate on cytokinesis of zygotes in the brown alga, <i>Silvetia babingtonii</i> (Fucales, Phaeophyceae). <i>European Journal of Phycology</i> , 2019, 54, 26-38.	2.0	1
33	Ultrastructural observations of mitochondrial morphology through the life cycle of the brown alga, <i>Mutimo cylindricus</i> (Cutleriaceae, Tilopteridales). <i>Protoplasma</i> , 2021, 258, 1-18.	2.1	1
34	Ultrastructural Observation of Cytokinesis and Plasmodesmata Formation in Brown Algae. <i>Methods in Molecular Biology</i> , 2022, 2382, 253-264.	0.9	1