Ansgar Gruber

List of Publications by Year
in descending order

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36	4,162	236612	329751
papers	citations	25 h-index	37 g-index

38	38	38	4132
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. Nature, 2008, 456, 239-244.	13.7	1,458
2	A Model for Carbohydrate Metabolism in the Diatom Phaeodactylum tricornutum Deduced from Comparative Whole Genome Analysis. PLoS ONE, 2008, 3, e1426.	1.1	394
3	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. Nature, 2012, 492, 59-65.	13.7	377
4	Evolutionary genomics of the cold-adapted diatom Fragilariopsis cylindrus. Nature, 2017, 541, 536-540.	13.7	332
5	Protein targeting into complex diatom plastids: functional characterisation of a specific targeting motif. Plant Molecular Biology, 2007, 64, 519-530.	2.0	181
6	Plastid proteome prediction for diatoms and other algae with secondary plastids of the red lineage. Plant Journal, 2015, 81, 519-528.	2.8	174
7	Der1-mediated Preprotein Import into the Periplastid Compartment of Chromalveolates?. Molecular Biology and Evolution, 2007, 24, 918-928.	3.5	142
8	High Light Acclimation in the Secondary Plastids Containing Diatom Phaeodactylum tricornutum is Triggered by the Redox State of the Plastoquinone Pool Â Â. Plant Physiology, 2013, 161, 853-865.	2.3	119
9	Susceptibility of zoospores to UV radiation determines upper depth distribution limit of Arctic kelps: evidence through field experiments. Journal of Ecology, 2006, 94, 455-463.	1.9	118
10	The role of <scp>C</scp>₄ metabolism in the marine diatom <scp>P</scp>haeodactylum tricornutum. New Phytologist, 2013, 197, 177-185.	3.5	83
11	Diatom plastids depend on nucleotide import from the cytosol. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3621-3626.	3.3	80
12	Aureochrome 1a Is Involved in the Photoacclimation of the Diatom Phaeodactylum tricornutum. PLoS ONE, 2013, 8, e74451.	1.1	77
13	Sensitivity of Laminariales zoospores from Helgoland (North Sea) to ultraviolet and photosynthetically active radiation: implications for depth distribution and seasonal reproduction. Plant, Cell and Environment, 2005, 28, 466-479.	2.8	71
14	Mitochondrial Glycolysis in a Major Lineage of Eukaryotes. Genome Biology and Evolution, 2018, 10, 2310-2325.	1.1	62
15	Characterization of a trimeric light-harvesting complex in the diatom Phaeodactylum tricornutum built of FcpA and FcpE proteins. Journal of Experimental Botany, 2010, 61, 3079-3087.	2.4	44
16	Influence of nutrients and light on autotrophic, mixotrophic and heterotrophic freshwater chrysophytes. Aquatic Microbial Ecology, 2013, 71, 179-191.	0.9	43
17	The intracellular distribution of inorganic carbon fixing enzymes does not support the presence of a C4 pathway in the diatom Phaeodactylum tricornutum. Photosynthesis Research, 2018, 137, 263-280.	1.6	39
18	Organelle Studies and Proteome Analyses of Mitochondria and Plastids Fractions from the Diatom Thalassiosira pseudonana. Plant and Cell Physiology, 2019, 60, 1811-1828.	1.5	39

#	Article	IF	Citations
19	Intracellular metabolic pathway distribution in diatoms and tools for genome-enabled experimental diatom research. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160402.	1.8	38
20	Intracellular distribution of the reductive and oxidative pentose phosphate pathways in two diatoms. Journal of Basic Microbiology, 2009, 49, 58-72.	1.8	36
21	Blasticidin-S deaminase, a new selection marker for genetic transformation of the diatom Phaeodactylum tricornutum. PeerJ, 2018, 6, e5884.	0.9	36
22	A novel type of light-harvesting antenna protein of red algal origin in algae with secondary plastids. BMC Evolutionary Biology, 2013, 13, 159.	3.2	32
23	Rapid induction of GFP expression by the nitrate reductase promoter in the diatomPhaeodactylum tricornutum. PeerJ, 2016, 4, e2344.	0.9	32
24	The Presence and Localization of Thioredoxins in Diatoms, Unicellular Algae of Secondary Endosymbiotic Origin. Molecular Plant, 2009, 2, 468-477.	3.9	29
25	Influence of bacteria on cell size development and morphology of cultivated diatoms. Phycological Research, 2014, 62, 269-281.	0.8	29
26	Shuttling of (deoxyâ€) purine nucleotides between compartments of the diatom Phaeodactylum tricornutum. New Phytologist, 2017, 213, 193-205.	3.5	20
27	SPOROGENESIS UNDER ULTRAVIOLET RADIATION IN LAMINARIA DIGITATA (PHAEOPHYCEAE) REVEALS PROTECTION OF PHOTOSENSITIVE MEIOSPORES WITHIN SORAL TISSUE: PHYSIOLOGICAL AND ANATOMICAL EVIDENCE1. Journal of Phycology, 2011, 47, 603-614.	1.0	16
28	Deducing Intracellular Distributions of Metabolic Pathways from Genomic Data. Methods in Molecular Biology, 2014, 1083, 187-211.	0.4	12
29	Whatâ€™s in a name? How organelles of endosymbiotic origin can be distinguished from endosymbionts. Microbial Cell, 2019, 6, 123-133.	1.4	8
30	Nucleotide Transport and Metabolism in Diatoms. Biomolecules, 2019, 9, 761.	1.8	6
31	Characterization of Aminoacyl-tRNA Synthetases in Chromerids. Genes, 2019, 10, 582.	1.0	5
32	Morphology, Ultrastructure, and Mitochondrial Genome of the Marine Non-Photosynthetic Bicosoecid Cafileria marina Gen. et sp. nov.. Microorganisms, 2019, 7, 240.	1.6	5
33	Using Diatom and Apicomplexan Models to Study the Heme Pathway of Chromera velia. International Journal of Molecular Sciences, 2021, 22, 6495.	1.8	5
34	Mitochondrial phosphoenolpyruvate carboxylase contributes to carbon fixation in the diatom Phaeodactylum tricornutum at low inorganic carbon concentrations. New Phytologist, 2022, 235, 1379-1393.	3.5	5
35	Analysing size variation during light-starvation response of nutritionally diverse chrysophytes with a Coulter counter. Algological Studies (Stuttgart, Germany: 2007), 2013, 141, 37-51.	0.4	4
36	Fatty Acid Biosynthesis in Chromerids. Biomolecules, 2020, 10, 1102.	1.8	1