

# Ansgar Gruber

## List of Publications by Year in descending order

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36  
papers

4,162  
citations

236925

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docs citations

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times ranked

4132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial phosphoenolpyruvate carboxylase contributes to carbon fixation in the diatom <i>Phaeodactylum tricornutum</i> at low inorganic carbon concentrations. <i>New Phytologist</i> , 2022, 235, 1379-1393.	7.3	5
2	Using Diatom and Apicomplexan Models to Study the Heme Pathway of <i>Chromera velia</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 6495.	4.1	5
3	Fatty Acid Biosynthesis in Chromerids. <i>Biomolecules</i> , 2020, 10, 1102.	4.0	1
4	Characterization of Aminoacyl-tRNA Synthetases in Chromerids. <i>Genes</i> , 2019, 10, 582.	2.4	5
5	Morphology, Ultrastructure, and Mitochondrial Genome of the Marine Non-Photosynthetic Bicosoecid <i>Cafilera marina</i> Gen. et sp. nov.. <i>Microorganisms</i> , 2019, 7, 240.	3.6	5
6	Organelle Studies and Proteome Analyses of Mitochondria and Plastids Fractions from the Diatom <i>Thalassiosira pseudonana</i> . <i>Plant and Cell Physiology</i> , 2019, 60, 1811-1828.	3.1	39
7	What's in a name? How organelles of endosymbiotic origin can be distinguished from endosymbionts. <i>Microbial Cell</i> , 2019, 6, 123-133.	3.2	8
8	Nucleotide Transport and Metabolism in Diatoms. <i>Biomolecules</i> , 2019, 9, 761.	4.0	6
9	The intracellular distribution of inorganic carbon fixing enzymes does not support the presence of a C4 pathway in the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2018, 137, 263-280.	2.9	39
10	Mitochondrial Glycolysis in a Major Lineage of Eukaryotes. <i>Genome Biology and Evolution</i> , 2018, 10, 2310-2325.	2.5	62
11	Blasticidin-S deaminase, a new selection marker for genetic transformation of the diatom <i>Phaeodactylum tricornutum</i> . <i>PeerJ</i> , 2018, 6, e5884.	2.0	36
12	Evolutionary genomics of the cold-adapted diatom <i>Fragilariopsis cylindrus</i> . <i>Nature</i> , 2017, 541, 536-540.	27.8	332
13	Intracellular metabolic pathway distribution in diatoms and tools for genome-enabled experimental diatom research. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160402.	4.0	38
14	Shuttling of (deoxy) purine nucleotides between compartments of the diatom <i>Phaeodactylum tricornutum</i> . <i>New Phytologist</i> , 2017, 213, 193-205.	7.3	20
15	Rapid induction of GFP expression by the nitrate reductase promoter in the diatom <i>Phaeodactylum tricornutum</i> . <i>PeerJ</i> , 2016, 4, e2344.	2.0	32
16	Plastid proteome prediction for diatoms and other algae with secondary plastids of the red lineage. <i>Plant Journal</i> , 2015, 81, 519-528.	5.7	174
17	Influence of bacteria on cell size development and morphology of cultivated diatoms. <i>Phycological Research</i> , 2014, 62, 269-281.	1.6	29
18	Deducing Intracellular Distributions of Metabolic Pathways from Genomic Data. <i>Methods in Molecular Biology</i> , 2014, 1083, 187-211.	0.9	12

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19	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
20	High Light Acclimation in the Secondary Plastids Containing Diatom <i>Phaeodactylum tricornutum</i> is Triggered by the Redox State of the Plastoquinone Pool. Plant Physiology, 2013, 161, 853-865.	4.8	119
21	The role of C <sub>4</sub> metabolism in the marine diatom <i>Phaeodactylum tricornutum</i> . New Phytologist, 2013, 197, 177-185.	7.3	83
22	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
23	Aureochrome 1a Is Involved in the Photoacclimation of the Diatom <i>Phaeodactylum tricornutum</i> . PLoS ONE, 2013, 8, e74451.	2.5	77
24	Influence of nutrients and light on autotrophic, mixotrophic and heterotrophic freshwater chrysophytes. Aquatic Microbial Ecology, 2013, 71, 179-191.	1.8	43
25	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. Nature, 2012, 492, 59-65.	27.8	377
26	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.	2.3	16
27	Characterization of a trimeric light-harvesting complex in the diatom <i>Phaeodactylum tricornutum</i> built of FcpA and FcpE proteins. Journal of Experimental Botany, 2010, 61, 3079-3087.	4.8	44
28	The Presence and Localization of Thioredoxins in Diatoms, Unicellular Algae of Secondary Endosymbiotic Origin. Molecular Plant, 2009, 2, 468-477.	8.3	29
29	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.	7.1	80
30	Intracellular distribution of the reductive and oxidative pentose phosphate pathways in two diatoms. Journal of Basic Microbiology, 2009, 49, 58-72.	3.3	36
31	The <i>Phaeodactylum</i> genome reveals the evolutionary history of diatom genomes. Nature, 2008, 456, 239-244.	27.8	1,458
32	A Model for Carbohydrate Metabolism in the Diatom <i>Phaeodactylum tricornutum</i> Deduced from Comparative Whole Genome Analysis. PLoS ONE, 2008, 3, e1426.	2.5	394
33	Der1-mediated Preprotein Import into the Periplastid Compartment of Chromalveolates?. Molecular Biology and Evolution, 2007, 24, 918-928.	8.9	142
34	Protein targeting into complex diatom plastids: functional characterisation of a specific targeting motif. Plant Molecular Biology, 2007, 64, 519-530.	3.9	181
35	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.	4.0	118
36	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.	5.7	71