

# Ansgar Gruber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5208355/publications.pdf>

Version: 2024-02-01

36  
papers

4,162  
citations

236925

25  
h-index

330143

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

4132  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Phaeodactylum genome reveals the evolutionary history of diatom genomes. <i>Nature</i> , 2008, 456, 239-244.	27.8	1,458
2	A Model for Carbohydrate Metabolism in the Diatom <i>Phaeodactylum tricornutum</i> Deduced from Comparative Whole Genome Analysis. <i>PLoS ONE</i> , 2008, 3, e1426.	2.5	394
3	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. <i>Nature</i> , 2012, 492, 59-65.	27.8	377
4	Evolutionary genomics of the cold-adapted diatom <i>Fragilariopsis cylindrus</i> . <i>Nature</i> , 2017, 541, 536-540.	27.8	332
5	Protein targeting into complex diatom plastids: functional characterisation of a specific targeting motif. <i>Plant Molecular Biology</i> , 2007, 64, 519-530.	3.9	181
6	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
7	Der1-mediated Preprotein Import into the Periplastid Compartment of Chromalveolates?. <i>Molecular Biology and Evolution</i> , 2007, 24, 918-928.	8.9	142
8	High Light Acclimation in the Secondary Plastids Containing Diatom <i>Phaeodactylum tricornutum</i> is Triggered by the Redox State of the Plastoquinone Pool. <i>Plant Physiology</i> , 2013, 161, 853-865.	4.8	119
9	Susceptibility of zoospores to UV radiation determines upper depth distribution limit of Arctic kelps: evidence through field experiments. <i>Journal of Ecology</i> , 2006, 94, 455-463.	4.0	118
10	The role of C <sub>4</sub> metabolism in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>New Phytologist</i> , 2013, 197, 177-185.	7.3	83
11	Diatom plastids depend on nucleotide import from the cytosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3621-3626.	7.1	80
12	Aureochrome 1a Is Involved in the Photoacclimation of the Diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2013, 8, e74451.	2.5	77
13	Sensitivity of Laminariales zoospores from Helgoland (North Sea) to ultraviolet and photosynthetically active radiation: implications for depth distribution and seasonal reproduction. <i>Plant, Cell and Environment</i> , 2005, 28, 466-479.	5.7	71
14	Mitochondrial Glycolysis in a Major Lineage of Eukaryotes. <i>Genome Biology and Evolution</i> , 2018, 10, 2310-2325.	2.5	62
15	Characterization of a trimeric light-harvesting complex in the diatom <i>Phaeodactylum tricornutum</i> built of FcpA and FcpE proteins. <i>Journal of Experimental Botany</i> , 2010, 61, 3079-3087.	4.8	44
16	Influence of nutrients and light on autotrophic, mixotrophic and heterotrophic freshwater chrysophytes. <i>Aquatic Microbial Ecology</i> , 2013, 71, 179-191.	1.8	43
17	The intracellular distribution of inorganic carbon fixing enzymes does not support the presence of a C <sub>4</sub> pathway in the diatom <i>Phaeodactylum tricornutum</i> . <i>Photosynthesis Research</i> , 2018, 137, 263-280.	2.9	39
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Intracellular distribution of the reductive and oxidative pentose phosphate pathways in two diatoms. <i>Journal of Basic Microbiology</i> , 2009, 49, 58-72.	3.3	36
21	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
22	A novel type of light-harvesting antenna protein of red algal origin in algae with secondary plastids. <i>BMC Evolutionary Biology</i> , 2013, 13, 159.	3.2	32
23	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
24	The Presence and Localization of Thioredoxins in Diatoms, Unicellular Algae of Secondary Endosymbiotic Origin. <i>Molecular Plant</i> , 2009, 2, 468-477.	8.3	29
25	Influence of bacteria on cell size development and morphology of cultivated diatoms. <i>Phycological Research</i> , 2014, 62, 269-281.	1.6	29
26	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
27	SPOROGENESIS UNDER ULTRAVIOLET RADIATION IN LAMINARIA DIGITATA (PHAEOPHYCEAE) REVEALS PROTECTION OF PHOTOSENSITIVE MEIOSPORES WITHIN SORAL TISSUE: PHYSIOLOGICAL AND ANATOMICAL EVIDENCE1. <i>Journal of Phycology</i> , 2011, 47, 603-614.	2.3	16
28	Deducing Intracellular Distributions of Metabolic Pathways from Genomic Data. <i>Methods in Molecular Biology</i> , 2014, 1083, 187-211.	0.9	12
29	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
30	Nucleotide Transport and Metabolism in Diatoms. <i>Biomolecules</i> , 2019, 9, 761.	4.0	6
31	Characterization of Aminoacyl-tRNA Synthetases in Chromerids. <i>Genes</i> , 2019, 10, 582.	2.4	5
32	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
33	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
34	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
35	Analysing size variation during light-starvation response of nutritionally diverse chrysophytes with a Coulter counter. <i>Algological Studies (Stuttgart, Germany: 2007)</i> , 2013, 141, 37-51.	0.4	4
36	Fatty Acid Biosynthesis in Chromerids. <i>Biomolecules</i> , 2020, 10, 1102.	4.0	1