

Uwe G Maier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5796572/publications.pdf>

Version: 2024-02-01

44
papers

2,803
citations

201674

27
h-index

254184

43
g-index

45
all docs

45
docs citations

45
times ranked

2896
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering microalgae as a whole cell catalyst for PET degradation. <i>Methods in Enzymology</i> , 2021, 648, 435-455.	1.0	1
2	Lensless digital holographic microscopy as an efficient method to monitor enzymatic plastic degradation. <i>Marine Pollution Bulletin</i> , 2021, 163, 111950.	5.0	9
3	The iron-sulfur scaffold protein HCF101 unveils the complexity of organellar evolution in SAR, Haptista and Cryptista. <i>Bmc Ecology and Evolution</i> , 2021, 21, 46.	1.6	3
4	Mobilization and Cellular Distribution of Phosphate in the Diatom <i>Phaeodactylum tricornutum</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 579.	3.6	27
5	Specific acclimations to phosphorus limitation in the marine diatom <i>Phaeodactylum tricornutum</i> . <i>Biological Chemistry</i> , 2020, 401, 1495-1501.	2.5	6
6	Using a marine microalga as a chassis for polyethylene terephthalate (PET) degradation. <i>Microbial Cell Factories</i> , 2019, 18, 171.	4.0	164
7	Marine Proteobacteria metabolize glycolate via the \hat{I}^2 -hydroxyaspartate cycle. <i>Nature</i> , 2019, 575, 500-504.	27.8	71
8	The Known, the New, and a Possible Surprise: A Re-Evaluation of the Nucleomorph-Encoded Proteome of Cryptophytes. <i>Genome Biology and Evolution</i> , 2019, 11, 1618-1629.	2.5	5
9	Explaining the Origin of Three Membrane-Bound Plastids in Dinoflagellates and Euglenophytes: Kleptoplastidy via Myzocytosis?. <i>BioEssays</i> , 2018, 40, 1700224.	2.5	1
10	Alga-Made Anti-Hepatitis B Antibody Binds to Human Fc \hat{I}^3 Receptors. <i>Biotechnology Journal</i> , 2018, 13, e1700496.	3.5	39
11	Optimizing CRISPR/Cas9 for the Diatom <i>Phaeodactylum tricornutum</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 740.	3.6	73
12	Iron-Sulfur Cluster Biosynthesis in Algae with Complex Plastids. <i>Genome Biology and Evolution</i> , 2018, 10, 2061-2071.	2.5	9
13	Cellular compartmentation follows rules: The Schnepf theorem, its consequences and exceptions. <i>BioEssays</i> , 2017, 39, 1700030.	2.5	10
14	A Non-photosynthetic Diatom Reveals Early Steps of Reductive Evolution in Plastids. <i>Molecular Biology and Evolution</i> , 2017, 34, 2355-2366.	8.9	52
15	The Central Vacuole of the Diatom <i>Phaeodactylum tricornutum</i> : Identification of New Vacuolar Membrane Proteins and of a Functional Di-leucine-based Targeting Motif. <i>Protist</i> , 2017, 168, 271-282.	1.5	28
16	Genomic and Proteomic Evidence for the Presence of a Peroxisome in the Apicomplexan Parasite <i>Toxoplasma gondii</i> and Other Coccidia. <i>Genome Biology and Evolution</i> , 2017, 9, 3108-3121.	2.5	21
17	From hybridomas to a robust microalgal-based production platform: molecular design of a diatom secreting monoclonal antibodies directed against the Marburg virus nucleoprotein. <i>Microbial Cell Factories</i> , 2017, 16, 131.	4.0	45
18	Protein-protein interactions indicate composition of a 480 kDa SELMA complex in the second outermost membrane of diatom complex plastids. <i>Molecular Microbiology</i> , 2016, 100, 76-89.	2.5	14

#	ARTICLE	IF	CITATIONS
19	Microalgae as Solar-Powered Protein Factories. <i>Advances in Experimental Medicine and Biology</i> , 2016, 896, 241-262.	1.6	33
20	Addressing various compartments of the diatom model organism <i>Phaeodactylum tricornutum</i> via sub-cellular marker proteins. <i>Algal Research</i> , 2016, 20, 249-257.	4.6	43
21	Protein import into complex plastids: Cellular organization of higher complexity. <i>European Journal of Cell Biology</i> , 2015, 94, 340-348.	3.6	32
22	N-terminal lysines are essential for protein translocation via a modified ERAD system in complex plastids. <i>Molecular Microbiology</i> , 2015, 96, 609-620.	2.5	16
23	Localization and Evolution of Putative Triose Phosphate Translocators in the Diatom <i>Phaeodactylum tricornutum</i> . <i>Genome Biology and Evolution</i> , 2015, 7, 2955-2969.	2.5	53
24	Biochemical Characterization of Human Anti-Hepatitis B Monoclonal Antibody Produced in the Microalgae <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2015, 10, e0139282.	2.5	40
25	The periplastidal compartment: a naturally minimized eukaryotic cytoplasm. <i>Current Opinion in Microbiology</i> , 2014, 22, 88-93.	5.1	27
26	Evidence for glycoprotein transport into complex plastids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10860-10865.	7.1	32
27	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. <i>Nature</i> , 2012, 492, 59-65.	27.8	377
28	General Protein Diffusion Barriers Create Compartments within Bacterial Cells. <i>Cell</i> , 2012, 151, 1270-1282.	28.9	68
29	Distribution of the SELMA Translocon in Secondary Plastids of Red Algal Origin and Predicted Uncoupling of Ubiquitin-Dependent Translocation from Degradation. <i>Eukaryotic Cell</i> , 2012, 11, 1472-1481.	3.4	58
30	An engineered diatom acting like a plasma cell secreting human IgG antibodies with high efficiency. <i>Microbial Cell Factories</i> , 2012, 11, 126.	4.0	110
31	Algae as Protein Factories: Expression of a Human Antibody and the Respective Antigen in the Diatom <i>Phaeodactylum tricornutum</i> . <i>PLoS ONE</i> , 2011, 6, e28424.	2.5	146
32	Microalgae as bioreactors for bioplastic production. <i>Microbial Cell Factories</i> , 2011, 10, 81.	4.0	192
33	Omp85 in eukaryotic systems: one protein family with distinct functions. <i>Biological Chemistry</i> , 2011, 392, 21-7.	2.5	31
34	ERAD Components in Organisms with Complex Red Plastids Suggest Recruitment of a Preexisting Protein Transport Pathway for the Periplastid Membrane. <i>Genome Biology and Evolution</i> , 2011, 3, 140-150.	2.5	59
35	New mechanistic insights into pre-protein transport across the second outermost plastid membrane of diatoms. <i>Molecular Microbiology</i> , 2010, 76, 793-801.	2.5	41
36	Filling the Gap, Evolutionarily Conserved Omp85 in Plastids of Chromalveolates. <i>Journal of Biological Chemistry</i> , 2010, 285, 6848-6856.	3.4	73

#	ARTICLE	IF	CITATIONS
37	ERAD-Derived Preprotein Transport across the Second Outermost Plastid Membrane of Diatoms. <i>Molecular Biology and Evolution</i> , 2009, 26, 1781-1790.	8.9	98
38	An Unusual ERAD-Like Complex Is Targeted to the Apicoplast of <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2009, 8, 1134-1145.	3.4	136
39	Genomic Footprints of a Cryptic Plastid Endosymbiosis in Diatoms. <i>Science</i> , 2009, 324, 1724-1726.	12.6	370
40	The cyanobacterial endosymbiont of the unicellular algae <i>Rhopalodia gibba</i> shows reductive genome evolution. <i>BMC Evolutionary Biology</i> , 2008, 8, 30.	3.2	82
41	Nature of the Periplastidial Pathway of Starch Synthesis in the Cryptophyte <i>Guillardia theta</i> . <i>Eukaryotic Cell</i> , 2006, 5, 954-963.	3.4	56
42	Molecular and Biochemical Analysis of Periplastidial Starch Metabolism in the Cryptophyte <i>Guillardia theta</i> . <i>Eukaryotic Cell</i> , 2006, 5, 964-971.	3.4	15
43	Molecular Chaperones Encoded by a Reduced Nucleus: The Cryptomonad Nucleomorph. <i>Journal of Molecular Evolution</i> , 2001, 52, 490-501.	1.8	27
44	Solution structure of a zinc substituted eukaryotic rubredoxin from the cryptomonad alga <i>Guillardia theta</i> . <i>Protein Science</i> , 2000, 9, 1474-1486.	7.6	10