Maria Mittag

List of Publications by Year
in descending order

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47 papers	4,487 citations	257450 24 h-index	214800 47 g-index
50 all docs	50 docs citations	50 times ranked	5317 citing authors

#	Article	IF	Citations
1	The Chlamydomonas Genome Reveals the Evolution of Key Animal and Plant Functions. Science, 2007, 318, 245-250.	12.6	2,354
2	Insights into the red algae and eukaryotic evolution from the genome of Porphyra umbilicalis (Bangiophyceae, Rhodophyta). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6361-E6370.	7.1	233
3	A blue-light photoreceptor mediates the feedback regulation of photosynthesis. Nature, 2016, 537, 563-566.	27.8	185
4	Proteomic Analysis of the Eyespot of Chlamydomonas reinhardtii Provides Novel Insights into Its Components and Tactic Movements. Plant Cell, 2006, 18, 1908-1930.	6.6	169
5	A Flavin Binding Cryptochrome Photoreceptor Responds to Both Blue and Red Light in Chlamydomonas reinhardtii. Plant Cell, 2012, 24, 2992-3008.	6.6	151
6	The Circadian Clock in Chlamydomonas reinhardtii. What Is It For? What Is It Similar To?. Plant Physiology, 2005, 137, 399-409.	4.8	132
7	From molecular manipulation of domesticated Chlamydomonas reinhardtii to survival in nature. ELife, 2018, 7, .	6.0	119
8	Identification of a specific fucoxanthin-chlorophyll protein in the light harvesting complex of photosystem I in the diatom Cyclotella meneghiniana. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 905-912.	1.0	86
9	Identification of several sub-populations in the pool of light harvesting proteins in the pennate diatom Phaeodactylum tricornutum. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 303-310.	1.0	76
10	Antagonistic bacteria disrupt calcium homeostasis and immobilize algal cells. Nature Communications, 2017, 8, 1756.	12.8	66
11	A Heteromeric RNA-Binding Protein Is Involved in Maintaining Acrophase and Period of the Circadian Clock. Plant Physiology, 2006, 142, 797-806.	4.8	62
12	The Circadian RNA-Binding Protein CHLAMY 1 Represents a Novel Type Heteromer of RNA Recognition Motif and Lysine Homology Domain-Containing Subunits. Eukaryotic Cell, 2004, 3, 815-825.	3.4	53
13	Functional proteomics of circadian expressed proteins from Chlamydomonas reinhardtii. FEBS Letters, 2004, 559, 129-135.	2.8	52
14	Analysis of Flagellar Phosphoproteins from Chlamydomonas reinhardtii. Eukaryotic Cell, 2009, 8, 922-932.	3.4	52
15	Essential Role of an Unusually Long-lived Tyrosyl Radical in the Response to Red Light of the Animal-like Cryptochrome aCRY. Journal of Biological Chemistry, 2016, 291, 14062-14071.	3.4	51
16	Cryptochrome photoreceptors in green algae: Unexpected versatility of mechanisms and functions. Journal of Plant Physiology, 2017, 217, 4-14.	3.5	51
17	Structure of the bifunctional cryptochrome aCRY from Chlamydomonas reinhardtii. Nucleic Acids Research, 2018, 46, 8010-8022.	14.5	51
18	A Plant Cryptochrome Controls Key Features of the Chlamydomonas Circadian Clock and Its Life Cycle. Plant Physiology, 2017, 174, 185-201.	4.8	50

#	Article	IF	Citations
19	A Chemical Perspective on Microalgalâ€“Microbial Interactions. Trends in Plant Science, 2015, 20, 689-693.	8.8	41
20	How the green alga Chlamydomonas reinhardtii keeps time. Protoplasma, 2010, 244, 3-14.	2.1	40
21	An Animal-Like Cryptochrome Controls the Chlamydomonas Sexual Cycle. Plant Physiology, 2017, 174, 1334-1347.	4.8	35
22	Lichen-like association of Chlamydomonas reinhardtii and Aspergillus nidulans protects algal cells from bacteria. ISME Journal, 2020, 14, 2794-2805.	9.8	30
23	The Heme-Binding Protein SOUL3 of Chlamydomonas reinhardtii Influences Size and Position of the Eyespot. Molecular Plant, 2013, 6, 931-944.	8.3	27
24	Both Subunits of the Circadian RNA-Binding Protein CHLAMY1 Can Integrate Temperature Information Â. Plant Physiology, 2008, 147, 2179-2193.	4.8	26
25	News about cryptochrome photoreceptors in algae. Plant Signaling and Behavior, 2013, 8, e22870.	2.4	25
26	Response of the Sensory Animal-like Cryptochrome aCRY to Blue and Red Light As Revealed by Infrared Difference Spectroscopy. Biochemistry, 2014, 53, 1041-1050.	2.5	24
27	Fucoxanthin-Chlorophyll Protein Complexes of the Centric Diatom Cyclotella Meneghiniana Differ in Lhcx1 and Lhcx6_1 Content. Plant Physiology, 2019, 179, 1779-1795.	4.8	24
28	Proteomic Analysis of a Fraction with Intact Eyespots of Chlamydomonas reinhardtii and Assignment of Protein Methylation. Frontiers in Plant Science, 2015, 6, 1085.	3.6	23
29	The World of Algae Reveals a Broad Variety of Cryptochrome Properties and Functions. Frontiers in Plant Science, 2021, 12, 766509.	3.6	20
30	A polyyne toxin produced by an antagonistic bacterium blinds and lyses a Chlamydomonad alga. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
31	A giant type I polyketide synthase participates in zygospore maturation in Chlamydomonas reinhardtii. Plant Journal, 2018, 95, 268-281.	5.7	18
32	The bacterium Pseudomonas protegens antagonizes the microalga <scp>Chlamydomonas reinhardtii</scp> using a blend of toxins. Environmental Microbiology, 2021, 23, 5525-5540.	3.8	17
33	DASH cryptochrome 1, a UVâ€A receptor, balances the photosynthetic machinery of Chlamydomonas reinhardtii. New Phytologist, 2021, 232, 610-624.	7.3	15
34	Evolution of circadian clocks along the green lineage. Plant Physiology, 2022, 190, 924-937.	4.8	15
35	Novel interaction of two clockâ€relevant RNAâ€binding proteins C3 and XRN1 in Chlamydomonas reinhardtii. FEBS Letters, 2012, 586, 3969-3973.	2.8	12
36	Multiple Roles and Interaction Factors of an E-Box Element in Chlamydomonas reinhardtii. Plant Physiology, 2010, 152, 2243-2257.	4.8	11

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37	Application of Phosphoproteomics to Find Targets of Casein Kinase 1 in the Flagellum of Chlamydomonas. International Journal of Plant Genomics, 2012, 2012, 1-9.	2.2	11
38	Functional proteomics of light-harvesting complex proteins under varying light-conditions in diatoms. Journal of Plant Physiology, 2017, 217, 38-43.	3.5	9
39	Time-Resolved Infrared and Visible Spectroscopy on Cryptochrome aCRY: Basis for Red Light Reception. Biophysical Journal, 2019, 117, 490-499.	0.5	8
40	C-Terminal Extension of a Plant Cryptochrome Dissociates from the Î²-Sheet of the Flavin-Binding Domain. Journal of Physical Chemistry Letters, 2021, 12, 5558-5563.	4.6	7
41	Total Synthesis and Structure Correction of the Cyclic Lipodepsipeptide Orfamide A. Chemistry - A European Journal, 2022, 28, .	3.3	7
42	A Musashi Splice Variant and Its Interaction Partners Influence Temperature Acclimation in Chlamydomonas. Plant Physiology, 2018, 178, 1489-1506.	4.8	6
43	Light driven reactions in model algae. Journal of Plant Physiology, 2017, 217, 1-3.	3.5	5
44	A purification strategy for analysis of the DNA/RNA-associated sub-proteome from chloroplasts of mustard cotyledons. Frontiers in Plant Science, 2014, 5, 557.	3.6	3
45	ROC75 is an Attenuator for the Circadian Clock that Controls LHCSR3 Expression. Plant and Cell Physiology, 2018, 59, 2602-2607.	3.1	3
46	A marine Chlamydomonas sp. emerging as an algal model. Journal of Phycology, 2021, 57, 54-69.	2.3	3
47	The C-terminus of a diatom plant-like cryptochrome influences the FAD redox state and binding of interaction partners. Journal of Experimental Botany, 2022, 73, 1934-1948.	4.8	3