

Olivier Vallon

List of Publications by Year in descending order

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44
papers

5,644
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201674

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citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogenetic and functional diversity of aldehyde-alcohol dehydrogenases in microalgae. <i>Plant Molecular Biology</i> , 2021, 105, 497-511.	3.9	4
2	Architecture and evolution of subtelomeres in the unicellular green alga <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 2021, 49, 7571-7587.	14.5	14
3	The cryo-EM structure of the chloroplast ClpP complex. <i>Nature Plants</i> , 2021, 7, 1505-1515.	9.3	5
4	MDA1, a nucleus-encoded factor involved in the stabilization and processing of the atpA transcript in the chloroplast of <i>Chlamydomonas</i> . <i>Plant Journal</i> , 2019, 98, 1033-1047.	5.7	14
5	In silico analysis of the sequence features responsible for alternatively spliced introns in the model green alga <i>Chlamydomonas reinhardtii</i> . <i>Plant Molecular Biology</i> , 2017, 94, 253-265.	3.9	16
6	Polycytidylation of mitochondrial mRNAs in <i>Chlamydomonas reinhardtii</i> . <i>Nucleic Acids Research</i> , 2017, 45, 12963-12973.	14.5	29
7	Small RNA profiling in <i>Chlamydomonas</i> : insights into chloroplast RNA metabolism. <i>Nucleic Acids Research</i> , 2017, 45, 10783-10799.	14.5	54
8	PETOA interacts with Other Effectors of Cyclic Electron Flow in <i>Chlamydomonas</i> . <i>Molecular Plant</i> , 2016, 9, 558-568.	8.3	34
9	A Small Multifunctional Pentatricopeptide Repeat Protein in the Chloroplast of <i>Chlamydomonas reinhardtii</i> . <i>Molecular Plant</i> , 2015, 8, 412-426.	8.3	19
10	Two <i>Chlamydomonas</i> OPR proteins stabilize chloroplast mRNAs encoding small subunits of photosystem II and cytochrome <i>b₆f</i> . <i>Plant Journal</i> , 2015, 82, 861-873.	5.7	31
11	Spontaneous Dominant Mutations in <i>Chlamydomonas</i> Highlight Ongoing Evolution by Gene Diversification. <i>Plant Cell</i> , 2015, 27, 984-1001.	6.6	35
12	Nitric Oxide-Triggered Remodeling of Chloroplast Bioenergetics and Thylakoid Proteins upon Nitrogen Starvation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2014, 26, 353-372.	6.6	110
13	The <i>Chlamydomonas</i> genome project: a decade on. <i>Trends in Plant Science</i> , 2014, 19, 672-680.	8.8	145
14	Development of a Nuclear Transformation System for Oleaginous Green Alga <i>Lobosphaera (Parietochloris) incisa</i> and Genetic Complementation of a Mutant Strain, Deficient in Arachidonic Acid Biosynthesis. <i>PLoS ONE</i> , 2014, 9, e105223.	2.5	29
15	Dissecting the Heat Stress Response in <i>Chlamydomonas</i> by Pharmaceutical and RNAi Approaches Reveals Conserved and Novel Aspects. <i>Molecular Plant</i> , 2013, 6, 1795-1813.	8.3	39
16	PPR proteins of green algae. <i>RNA Biology</i> , 2013, 10, 1526-1542.	3.1	34
17	The purification of the <i>Chlamydomonas reinhardtii</i> chloroplast ClpP complex: additional subunits and structural features. <i>Plant Molecular Biology</i> , 2012, 80, 189-202.	3.9	18
18	PredAlgo: A New Subcellular Localization Prediction Tool Dedicated to Green Algae. <i>Molecular Biology and Evolution</i> , 2012, 29, 3625-3639.	8.9	270

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19	Dynamics of post-translational modifications and protein stability in the stroma of <i>Chlamydomonas reinhardtii</i> chloroplasts. <i>Proteomics</i> , 2011, 11, 1734-1750.	2.2	51
20	Novel Shuttle Markers for Nuclear Transformation of the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2011, 10, 1670-1678.	3.4	53
21	MRL1, a Conserved Pentatricopeptide Repeat Protein, Is Required for Stabilization of <i>rbcL</i> mRNA in <i>Chlamydomonas</i> and <i>Arabidopsis</i> . <i>Plant Cell</i> , 2010, 22, 234-248.	6.6	121
22	Multistep Processing of an Insertion Sequence in an Essential Subunit of the Chloroplast ClpP Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 15408-15415.	3.4	14
23	Genomewide Analysis of Box C/D and Box H/ACA snoRNAs in <i>Chlamydomonas reinhardtii</i> Reveals an Extensive Organization Into Intronic Gene Clusters. <i>Genetics</i> , 2008, 179, 21-30.	2.9	27
24	Treasure Hunting in the <i>Chlamydomonas</i> Genome. <i>Genetics</i> , 2008, 179, 3-6.	2.9	6
25	The tiny eukaryote <i>Ostreococcus</i> provides genomic insights into the paradox of plankton speciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7705-7710.	7.1	563
26	EST assembly supported by a draft genome sequence: an analysis of the <i>Chlamydomonas reinhardtii</i> transcriptome. <i>Nucleic Acids Research</i> , 2007, 35, 2074-2083.	14.5	34
27	Intertwined translational regulations set uneven stoichiometry of chloroplast ATP synthase subunits. <i>EMBO Journal</i> , 2007, 26, 3581-3591.	7.8	60
28	The <i>Chlamydomonas</i> Genome Reveals the Evolution of Key Animal and Plant Functions. <i>Science</i> , 2007, 318, 245-250.	12.6	2,354
29	Defects in the Cytochrome b6/f Complex Prevent Light-Induced Expression of Nuclear Genes Involved in Chlorophyll Biosynthesis. <i>Plant Physiology</i> , 2006, 141, 1128-1137.	4.8	27
30	The chloroplast ClpP complex in <i>Chlamydomonas reinhardtii</i> contains an unusual high molecular mass subunit with a large apical domain. <i>FEBS Journal</i> , 2005, 272, 5558-5571.	4.7	32
31	<i>Chlamydomonas</i> Immunophilins and Parvulins: Survey and Critical Assessment of Gene Models. <i>Eukaryotic Cell</i> , 2005, 4, 230-241.	3.4	41
32	Insights into the Survival of <i>Chlamydomonas reinhardtii</i> during Sulfur Starvation Based on Microarray Analysis of Gene Expression. <i>Eukaryotic Cell</i> , 2004, 3, 1331-1348.	3.4	181
33	Control of protein life-span by N-terminal methionine excision. <i>EMBO Journal</i> , 2003, 22, 13-23.	7.8	134
34	<i>Chlamydomonas reinhardtii</i> at the Crossroads of Genomics. <i>Eukaryotic Cell</i> , 2003, 2, 1137-1150.	3.4	143
35	Sequence elements within an HSP70 promoter counteract transcriptional transgene silencing in <i>Chlamydomonas</i> . <i>Plant Journal</i> , 2002, 31, 445-455.	5.7	112
36	Chloroplast and Mitochondrial Proteases in <i>Arabidopsis</i> . A Proposed Nomenclature. <i>Plant Physiology</i> , 2001, 125, 1912-1918.	4.8	205

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37	The Light Sensitivity of ATP Synthase Mutants of <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2001, 126, 421-433.	4.8	70
38	New sequence motifs in flavoproteins: Evidence for common ancestry and tools to predict structure. <i>Biochimie</i> , 2000, 38, 95-114.		95
39	Synthesis, assembly and degradation of thylakoid membrane proteins. <i>Biochimie</i> , 2000, 82, 615-634.	2.6	119
40	Evidence for a Role of ClpP in the Degradation of the Chloroplast Cytochrome b6f Complex. <i>Plant Cell</i> , 2000, 12, 137-149.	6.6	152
41	Mutants of <i>Chlamydomonas</i> : Tools to study thylakoid membrane structure, function and biogenesis. <i>Biochimie</i> , 1999, 81, 631-643.	2.6	12
42	A Chloroplast-Targeted Heat Shock Protein 70 (HSP70) Contributes to the Photoprotection and Repair of Photosystem II during and after Photoinhibition. <i>Plant Cell</i> , 1999, 11, 1165.	6.6	13
43	Topological study of PSI-A and PSI-B, the large subunits of the photosystem-I reaction center. <i>FEBS Journal</i> , 1993, 214, 907-915.	0.2	22
44	Extensive accumulation of an extracellular l-amino-acid oxidase during gametogenesis of <i>Chlamydomonas reinhardtii</i> . <i>FEBS Journal</i> , 1993, 215, 351-360.	0.2	100