

Giles N Johnson

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7916609/giles-n-johnson-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

11,174
citations

32
h-index

68
g-index

68
ext. papers

12,731
ext. citations

5.3
avg, IF

6.62
L-index

#	Paper	IF	Citations
58	Genetically based adaptive trait shifts at an expanding mangrove range margin. <i>Hydrobiologia</i> , 2022 , 849, 1777-1794	2.4	
57	A Holistic Approach to Study Photosynthetic Acclimation Responses of Plants to Fluctuating Light. <i>Frontiers in Plant Science</i> , 2021 , 12, 668512	6.2	6
56	Metabolic flux from the chloroplast provides signals controlling photosynthetic acclimation to cold in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2021 , 44, 171-185	8.4	2
55	Acclimation of Photosynthesis to Changes in the Environment Results in Decreases of Oxidative Stress in. <i>Frontiers in Plant Science</i> , 2021 , 12, 683986	6.2	0
54	Contrasting Responses to Stress Displayed by Tobacco Overexpressing an Algal Plastid Terminal Oxidase in the Chloroplast. <i>Frontiers in Plant Science</i> , 2020 , 11, 501	6.2	5
53	From empirical to theoretical models of light response curves - linking photosynthetic and metabolic acclimation. <i>Photosynthesis Research</i> , 2020 , 145, 5-14	3.7	16
52	Flux sampling is a powerful tool to study metabolism under changing environmental conditions. <i>Npj Systems Biology and Applications</i> , 2019 , 5, 32	5	19
51	Metabolic acclimation-a key to enhancing photosynthesis in changing environments?. <i>Journal of Experimental Botany</i> , 2019 , 70, 3043-3056	7	16
50	Drought neutralises plant-soil feedback of two mesic grassland forbs. <i>Oecologia</i> , 2018 , 186, 1113-1125	2.9	29
49	Plastid terminal oxidase requires translocation to the grana stacks to act as a sink for electron transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9634-9639	11.5	16
48	Cyclic decomposition explains a photosynthetic down regulation for <i>Chlamydomonas reinhardtii</i> . <i>BioSystems</i> , 2017 , 162, 119-127	1.9	2
47	Dynamic Acclimation to High Light in Involves Widespread Reengineering of the Leaf Proteome. <i>Frontiers in Plant Science</i> , 2017 , 8, 1239	6.2	22
46	FUM2, a Cytosolic Fumarase, Is Essential for Acclimation to Low Temperature in <i>Arabidopsis thaliana</i> . <i>Plant Physiology</i> , 2016 , 172, 118-27	6.6	32
45	Plastid Terminal Oxidase as a Route to Improving Plant Stress Tolerance: Known Knowns and Known Unknowns. <i>Plant and Cell Physiology</i> , 2016 , 57, 1387-1396	4.9	19
44	Biochemical Analyses of Sorghum Varieties Reveal Differential Responses to Drought. <i>PLoS ONE</i> , 2016 , 11, e0154423	3.7	36
43	The Cytochrome b6f Complex: A Regulatory Hub Controlling Electron Flow and the Dynamics of Photosynthesis?. <i>Advances in Photosynthesis and Respiration</i> , 2016 , 437-452	1.7	0
42	Exploiting heterogeneous environments: does photosynthetic acclimation optimize carbon gain in fluctuating light?. <i>Journal of Experimental Botany</i> , 2015 , 66, 2437-47	7	55

41	Photosynthesis in variable environments. <i>Journal of Experimental Botany</i> , 2015 , 66, 2371-2	7	7
40	Acclimation of metabolism to light in <i>Arabidopsis thaliana</i> : the glucose 6-phosphate/phosphate translocator GPT2 directs metabolic acclimation. <i>Plant, Cell and Environment</i> , 2015 , 38, 1404-17	8.4	51
39	Flux balance analysis reveals acetate metabolism modulates cyclic electron flow and alternative glycolytic pathways in <i>Chlamydomonas reinhardtii</i> . <i>Frontiers in Plant Science</i> , 2015 , 6, 474	6.2	44
38	Sorghum (<i>Sorghum bicolor</i>) varieties adopt strongly contrasting strategies in response to drought. <i>Physiologia Plantarum</i> , 2014 , 152, 389-401	4.6	59
37	GPT2: a glucose 6-phosphate/phosphate translocator with a novel role in the regulation of sugar signalling during seedling development. <i>Annals of Botany</i> , 2014 , 113, 643-52	4.1	22
36	Regulation of Electron Transport in Photosynthesis 2014 , 437-464		4
35	Regulation of cyclic and linear electron flow in higher plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 13317-22	11.5	260
34	Physiology of PSI cyclic electron transport in higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 384-9	4.6	165
33	Reprint of: physiology of PSI cyclic electron transport in higher plants. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 906-11	4.6	52
32	Gas exchange measurements for the determination of photosynthetic efficiency in <i>Arabidopsis</i> leaves. <i>Methods in Molecular Biology</i> , 2011 , 775, 311-26	1.4	9
31	Putative function of cytochrome b559 as a plastoquinol oxidase. <i>Physiologia Plantarum</i> , 2010 , 138, 463-73	4.6	38
30	Dynamic acclimation of photosynthesis increases plant fitness in changing environments. <i>Plant Physiology</i> , 2010 , 152, 366-73	6.6	130
29	Contrasting responses of photosynthesis to salt stress in the glycophyte <i>Arabidopsis</i> and the halophyte <i>Thellungiella</i> : role of the plastid terminal oxidase as an alternative electron sink. <i>Plant Physiology</i> , 2009 , 149, 1154-65	6.6	314
28	Competition between linear and cyclic electron flow in plants deficient in Photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 1173-83	4.6	17
27	Feedback regulation of photosynthetic electron transport by NADP(H) redox poise. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008 , 1777, 433-40	4.6	61
26	A novel mechanism by which silica defends grasses against herbivory. <i>Annals of Botany</i> , 2008 , 102, 653-64	4.1	88
25	The role of PGR5 in the redox poisoning of photosynthetic electron transport. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007 , 1767, 1252-9	4.6	115
24	Is electron transport to oxygen an important mechanism in photoprotection? Contrasting responses from Antarctic vascular plants. <i>Physiologia Plantarum</i> , 2007 , 130, 185-194	4.6	29

23	Nonphotochemical quenching of chlorophyll fluorescence in <i>Chlamydomonas reinhardtii</i> . <i>Biochemistry</i> , 2006 , 45, 1490-8	3.2	74
22	Redox modulation of cyclic electron flow around photosystem I in C3 plants. <i>Biochemistry</i> , 2006 , 45, 13465-75	5.75	109
21	Equilibration between cytochrome f and P700 in intact leaves. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2005 , 1706, 105-9	4.6	17
20	Cyclic electron transport in C3 plants: fact or artefact?. <i>Journal of Experimental Botany</i> , 2005 , 56, 407-16	7	137
19	A zeaxanthin-independent nonphotochemical quenching mechanism localized in the photosystem II core complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12375-80	11.5	123
18	New Fluorescence Parameters for the Determination of QA Redox State and Excitation Energy Fluxes. <i>Photosynthesis Research</i> , 2004 , 79, 209	3.7	1053
17	Physiological characterisation of magnesium deficiency in sugar beet: acclimation to low magnesium differentially affects photosystems I and II. <i>Planta</i> , 2004 , 220, 344-55	4.7	136
16	Reduction of the thylakoid electron transport chain by stromal reductants--evidence for activation of cyclic electron transport upon dark adaptation or under drought. <i>Planta</i> , 2004 , 220, 356-63	4.7	71
15	Controversy remains: regulation of pH gradient across the thylakoid membrane. <i>Trends in Plant Science</i> , 2004 , 9, 570-1; author reply 571-2	13.1	10
14	Thiol regulation of the thylakoid electron transport chain--a missing link in the regulation of photosynthesis?. <i>Biochemistry</i> , 2003 , 42, 3040-4	3.2	37
13	Down-regulation of linear and activation of cyclic electron transport during drought. <i>Planta</i> , 2003 , 218, 107-14	4.7	230
12	Contrasting strategies for UV-B screening in sub-Arctic dwarf shrubs. <i>Plant, Cell and Environment</i> , 2003 , 26, 957-964	8.4	55
11	In vivo temperature dependence of cyclic and pseudocyclic electron transport in barley. <i>Planta</i> , 2001 , 212, 808-16	4.7	98
10	Chlorophyll fluorescence--a practical guide. <i>Journal of Experimental Botany</i> , 2000 , 51, 659-68	7	1302
9	Adaptations to extreme low light in the fern <i>Trichomanes speciosum</i> . <i>New Phytologist</i> , 2000 , 148, 423-431	318	32
8	Photosynthetic acclimation of higher plants to growth in fluctuating light environments. <i>Photosynthesis Research</i> , 2000 , 63, 97-107	3.7	59
7	Chlorophyll fluorescence--a practical guide. <i>Journal of Experimental Botany</i> , 2000 , 51, 659-668	7	5654
6	Inhibition of electron transport at the cytochrome b(6)f complex protects photosystem II from photoinhibition. <i>FEBS Letters</i> , 2000 , 486, 191-4	3.8	15

5	Regulation of the photosynthetic electron transport chain. <i>Planta</i> , 1999 , 209, 250-258	4.7	68
4	The effects of elevated light on Photosystem II function: A thermoluminescence study. <i>Photosynthesis Research</i> , 1997 , 54, 169-183	3.7	5
3	Thermoluminescence as a probe of Photosystem II in intact leaves: Non-photochemical fluorescence quenching in peas grown in an intermittent light regime. <i>Photosynthesis Research</i> , 1994 , 41, 371-9	3.7	22
2	Activation of non-photochemical quenching in thylakoids and leaves. <i>Planta</i> , 1994 , 194, 550-556	4.7	26
1	The origin of 4050°C thermoluminescence bands in Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994 , 1184, 85-92	4.6	85