

Steven J Burgess

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

747
citations

567281

15
h-index

839539

18
g-index

52
all docs

52
docs citations

52
times ranked

1081
citing authors

#	ARTICLE	IF	CITATIONS
1	On the value of preprints: An early career researcher perspective. PLoS Biology, 2019, 17, e3000151.	5.6	116
2	An Untranslated <i>cis</i> -Element Regulates the Accumulation of Multiple C ₄ Enzymes in <i>Gynandropsis gynandra</i> Mesophyll Cells. Plant Cell, 2016, 28, 454-465.	6.6	73
3	Photosynthesis in the fleeting shadows: an overlooked opportunity for increasing crop productivity?. Plant Journal, 2020, 101, 874-884.	5.7	68
4	Comparing quality of reporting between preprints and peer-reviewed articles in the biomedical literature. Research Integrity and Peer Review, 2020, 5, 16.	5.2	68
5	Ancient duons may underpin spatial patterning of gene expression in C ₄ leaves. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1931-1936.	7.1	58
6	Genome-Wide Transcription Factor Binding in Leaves from C ₃ and C ₄ Grasses. Plant Cell, 2019, 31, 2297-2314.	6.6	47
7	Solar-Driven Hydrogen Production in Green Algae. Advances in Applied Microbiology, 2011, 75, 71-110.	2.4	42
8	A high throughput gas exchange screen for determining rates of photorespiration or regulation of C ₄ activity. Journal of Experimental Botany, 2014, 65, 3769-3779.	4.8	36
9	Creating clear and informative image-based figures for scientific publications. PLoS Biology, 2021, 19, e3001161.	5.6	35
10	Ancestral light and chloroplast regulation form the foundations for C ₄ gene expression. Nature Plants, 2016, 2, 16161.	9.3	32
11	Identification of the Elusive Pyruvate Reductase of <i>Chlamydomonas reinhardtii</i> Chloroplasts. Plant and Cell Physiology, 2016, 57, 82-94.	3.1	23
12	Shared characteristics underpinning C ₄ leaf maturation derived from analysis of multiple C ₃ and C ₄ species of <i>Flaveria</i> . Journal of Experimental Botany, 2017, 68, 177-189.	4.8	23
13	Droplet-based microfluidic analysis and screening of single plant cells. PLoS ONE, 2018, 13, e0196810.	2.5	23
14	Artificial microRNA-mediated knockdown of pyruvate formate lyase (PFL1) provides evidence for an active 3-hydroxybutyrate production pathway in the green alga <i>Chlamydomonas reinhardtii</i> . Journal of Biotechnology, 2012, 162, 57-66.	3.8	22
15	Getting the most out of natural variation in C ₄ photosynthesis. Photosynthesis Research, 2014, 119, 157-167.	2.9	22
16	A bipartite transcription factor module controlling expression in the bundle sheath of <i>Arabidopsis thaliana</i> . Nature Plants, 2020, 6, 1468-1479.	9.3	20
17	Insights into C ₄ metabolism from comparative deep sequencing. Current Opinion in Plant Biology, 2015, 25, 138-144.	7.1	16
18	Editorial: Advances in Plastid Biology and Its Applications. Frontiers in Plant Science, 2016, 7, 1396.	3.6	2