Sean D Gallaher

List of Publications by Year
in descending order

25 papers	1,960 citations	361413 20 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	2620 citing authors

#	Article	IF	Citations
1	Widespread polycistronic gene expression in green algae. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
2	An epigenetic gene silencing pathway selectively acting on transgenic DNA in the green alga Chlamydomonas. Nature Communications, 2020, 11, 6269.	12.8	58
3	Multiomics resolution of molecular events during a day in the life of Chlamydomonas. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2374-2383.	7.1	133
4	Regulation of Oxygenic Photosynthesis during Trophic Transitions in the Green Alga <i>Chromochloris zofingiensis</i>. Plant Cell, 2019, 31, 579-601.	6.6	61
5	Highâ€throughput sequencing of the chloroplast and mitochondrion of <i>Chlamydomonas reinhardtii</i> to generate improved <i>de novo</i> assemblies, analyze expression patterns and transcript speciation, and evaluate diversity among laboratory strains and wild isolates. Plant Journal, 2018, 93, 545-565.	5.7	90
6	A Gelatin Microdroplet Platform for Highâ€Throughput Sorting of Hyperproducing Singleâ€Cellâ€Derived Microalgal Clones. Small, 2018, 14, e1803315.	10.0	52
7	RNA Purification from the Unicellular Green Alga, Chromochloris zofingiensis. Bio-protocol, 2018, 8, e2792.	0.4	2
8	Chromosome-level genome assembly and transcriptome of the green alga <i>Chromochloris zofingiensis</i> illuminates astaxanthin production. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4296-E4305.	7.1	131
9	Bilin-Dependent Photoacclimation in <i>Chlamydomonas reinhardtii</i>. Plant Cell, 2017, 29, 2711-2726.	6.6	36
10	Mechanisms of Groucho-mediated repression revealed by genome-wide analysis of Groucho binding and activity. BMC Genomics, 2017, 18, 215.	2.8	16
11	Genome and methylome of the oleaginous diatom Cyclotella cryptica reveal genetic flexibility toward a high lipid phenotype. Biotechnology for Biofuels, 2016, 9, 258.	6.2	87
12	Copper economy in <i>Chlamydomonas</i> : Prioritized allocation and reallocation of copper to respiration vs. photosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2644-2651.	7.1	79
13	Dynamic changes in the transcriptome and methylome of Chlamydomonas reinhardtii throughout its life cycle. Plant Physiology, 2015, 169, pp.00861.2015.	4.8	51
14	Chlamydomonas Genome Resource for Laboratory Strains Reveals a Mosaic of Sequence Variation, Identifies True Strain Histories, and Enables Strain-Specific Studies. Plant Cell, 2015, 27, 2335-2352.	6.6	102
15	Subcellular metal imaging identifies dynamic sites of Cu accumulation in Chlamydomonas. Nature Chemical Biology, 2014, 10, 1034-1042.	8.0	143
16	The Path to Triacylglyceride Obesity in the <i>sta6</i> Strain of Chlamydomonas reinhardtii. Eukaryotic Cell, 2014, 13, 591-613.	3.4	143
17	Systems-Level Analysis of Nitrogen Starvation-Induced Modifications of Carbon Metabolism in a Chlamydomonas reinhardtii Starchless Mutant. Plant Cell, 2013, 25, 4305-4323.	6.6	176
18	Remodeling of Membrane Lipids in Iron-starved Chlamydomonas. Journal of Biological Chemistry, 2013, 288, 30246-30258.	3.4	77

#	Article	IF	Citations
19	A rapid Q-PCR titration protocol for adenovirus and helper-dependent adenovirus vectors that produces biologically relevant results. Journal of Virological Methods, 2013, 192, 28-38.	2.1	24
20	Three Acyltransferases and Nitrogen-responsive Regulator Are Implicated in Nitrogen Starvation-induced Triacylglycerol Accumulation in Chlamydomonas. Journal of Biological Chemistry, 2012, 287, 15811-15825.	3.4	379
21	When Cre-Mediated Recombination in Mice Does Not Result in Protein Loss. Genetics, 2010, 186, 959-967.	2.9	24
22	Robust In Vivo Transduction of a Genetically Stable Epstein-Barr Virus Episome to Hepatocytes in Mice by a Hybrid Viral Vector. Journal of Virology, 2009, 83, 3249-3257.	3.4	18
23	14. High Efficiency and Long-Term Persistence In Vivo from a Helper Dependent Adenovirus/Epstein-Barr Virus Hybrid Vector. Molecular Therapy, 2006, 13, S6.	8.2	0
24	848. Helper Dependent Adenovirus-Epstein- Barr Virus Hybrid Vector for Long Term Persistance in Hepatocytes. Molecular Therapy, 2006, 13, S327.	8.2	0
25	Development of a Novel Helper-Dependent Adenovirus-Epstein-Barr Virus Hybrid System for the Stable Transformation of Mammalian Cells. Journal of Virology, 2004, 78, 6556-6566.	3.4	41