

Sean D Gallaher

List of Publications by Year in descending order

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Version: 2024-02-01

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	Three Acyltransferases and Nitrogen-responsive Regulator Are Implicated in Nitrogen Starvation-induced Triacylglycerol Accumulation in <i>Chlamydomonas</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 15811-15825.	3.4	379
2	Systems-Level Analysis of Nitrogen Starvation-Induced Modifications of Carbon Metabolism in a <i>Chlamydomonas reinhardtii</i> Starchless Mutant. <i>Plant Cell</i> , 2013, 25, 4305-4323.	6.6	176
3	Subcellular metal imaging identifies dynamic sites of Cu accumulation in <i>Chlamydomonas</i> . <i>Nature Chemical Biology</i> , 2014, 10, 1034-1042.	8.0	143
4	The Path to Triacylglyceride Obesity in the <i>sta6</i> Strain of <i>Chlamydomonas reinhardtii</i> . <i>Eukaryotic Cell</i> , 2014, 13, 591-613.	3.4	143
5	Multimomics resolution of molecular events during a day in the life of <i>Chlamydomonas</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2374-2383.	7.1	133
6	Chromosome-level genome assembly and transcriptome of the green alga <i>Chromochloris zofingiensis</i> illuminates astaxanthin production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4296-E4305.	7.1	131
7	<i>Chlamydomonas</i> Genome Resource for Laboratory Strains Reveals a Mosaic of Sequence Variation, Identifies True Strain Histories, and Enables Strain-Specific Studies. <i>Plant Cell</i> , 2015, 27, 2335-2352.	6.6	102
8	High-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. <i>Plant Journal</i> , 2018, 93, 545-565.	5.7	90
9	Genome and methylome of the oleaginous diatom <i>Cyclotella cryptica</i> reveal genetic flexibility toward a high lipid phenotype. <i>Biotechnology for Biofuels</i> , 2016, 9, 258.	6.2	87
10	Copper economy in <i>Chlamydomonas</i> : Prioritized allocation and reallocation of copper to respiration vs. photosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2644-2651.	7.1	79
11	Remodeling of Membrane Lipids in Iron-starved <i>Chlamydomonas</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 30246-30258.	3.4	77
12	Regulation of Oxygenic Photosynthesis during Trophic Transitions in the Green Alga <i>Chromochloris zofingiensis</i> . <i>Plant Cell</i> , 2019, 31, 579-601.	6.6	61
13	An epigenetic gene silencing pathway selectively acting on transgenic DNA in the green alga <i>Chlamydomonas</i> . <i>Nature Communications</i> , 2020, 11, 6269.	12.8	58
14	A Gelatin Microdroplet Platform for High-throughput Sorting of Hyperproducing Single-Cell-Derived Microalgal Clones. <i>Small</i> , 2018, 14, e1803315.	10.0	52
15	Dynamic changes in the transcriptome and methylome of <i>Chlamydomonas reinhardtii</i> throughout its life cycle. <i>Plant Physiology</i> , 2015, 169, pp.00861.2015.	4.8	51
16	Development of a Novel Helper-Dependent Adenovirus-Epstein-Barr Virus Hybrid System for the Stable Transformation of Mammalian Cells. <i>Journal of Virology</i> , 2004, 78, 6556-6566.	3.4	41
17	Bilin-Dependent Photoacclimation in <i>Chlamydomonas reinhardtii</i> . <i>Plant Cell</i> , 2017, 29, 2711-2726.	6.6	36
18	Widespread polycistronic gene expression in green algae. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30

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19	When Cre-Mediated Recombination in Mice Does Not Result in Protein Loss. <i>Genetics</i> , 2010, 186, 959-967.	2.9	24
20	A rapid Q-PCR titration protocol for adenovirus and helper-dependent adenovirus vectors that produces biologically relevant results. <i>Journal of Virological Methods</i> , 2013, 192, 28-38.	2.1	24
21	Robust In Vivo Transduction of a Genetically Stable Epstein-Barr Virus Episome to Hepatocytes in Mice by a Hybrid Viral Vector. <i>Journal of Virology</i> , 2009, 83, 3249-3257.	3.4	18
22	Mechanisms of Groucho-mediated repression revealed by genome-wide analysis of Groucho binding and activity. <i>BMC Genomics</i> , 2017, 18, 215.	2.8	16
23	RNA Purification from the Unicellular Green Alga, <i>Chromochloris zofingiensis</i> . <i>Bio-protocol</i> , 2018, 8, e2792.	0.4	2
24	14. High Efficiency and Long-Term Persistence In Vivo from a Helper Dependent Adenovirus/Epstein-Barr Virus Hybrid Vector. <i>Molecular Therapy</i> , 2006, 13, S6.	8.2	0
25	848. Helper Dependent Adenovirus-Epstein- Barr Virus Hybrid Vector for Long Term Persistence in Hepatocytes. <i>Molecular Therapy</i> , 2006, 13, S327.	8.2	0