

# Bradley J S C Olson

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,852  
citations

279798

23  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2416  
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the red algae and eukaryotic evolution from the genome of <i>Porphyra umbilicalis</i> (Bangiophyceae, Rhodophyta). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6361-E6370.	7.1	233
2	Assays for Determination of Protein Concentration. Current Protocols in Protein Science, 2007, 48, Unit 3.4.	2.8	188
3	Evolution of an Expanded Sex-Determining Locus in <i>Volvox</i> . Science, 2010, 328, 351-354.	12.6	159
4	The <i>Gonium pectorale</i> genome demonstrates co-option of cell cycle regulation during the evolution of multicellularity. Nature Communications, 2016, 7, 11370.	12.8	125
5	Plastid division: across time and space. Current Opinion in Plant Biology, 2008, 11, 577-584.	7.1	91
6	Arabidopsis FtsZ2-1 and FtsZ2-2 Are Functionally Redundant, But FtsZ-Based Plastid Division Is Not Essential for Chloroplast Partitioning or Plant Growth and Development. Molecular Plant, 2009, 2, 1211-1222.	8.3	84
7	A novel R3 <i>scp</i> MYB transcriptional repressor associated with the loss of floral pigmentation in <i>lochroma</i> . New Phytologist, 2018, 217, 1346-1356.	7.3	71
8	Rapid selection against arbovirus-induced apoptosis during infection of a mosquito vector. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E1152-61.	7.1	69
9	Regulation of the <i>Chlamydomonas</i> Cell Cycle by a Stable, Chromatin-Associated Retinoblastoma Tumor Suppressor Complex. Plant Cell, 2010, 22, 3331-3347.	6.6	67
10	Assays for Determination of Protein Concentration. Current Protocols in Pharmacology, 2016, 73, A.3A.1-A.3A.32.	4.0	63
11	Formate dehydrogenase in <i>Arabidopsis thaliana</i> : characterization and possible targeting to the chloroplast. Plant Science, 2000, 159, 205-212.	3.6	62
12	A new class of cyclin dependent kinase in <i>Chlamydomonas</i> is required for coupling cell size to cell division. ELife, 2016, 5, e10767.	6.0	61
13	GTP-dependent Heteropolymer Formation and Bundling of Chloroplast FtsZ1 and FtsZ2. Journal of Biological Chemistry, 2010, 285, 20634-20643.	3.4	60
14	Effects of Mutations in <i>Arabidopsis</i> FtsZ1 on Plastid Division, FtsZ Ring Formation and Positioning, and FtsZ Filament Morphology in Vivo. Plant and Cell Physiology, 2007, 48, 775-791.	3.1	58
15	<i>In vivo</i> quantitative relationship between plastid division proteins FtsZ1 and FtsZ2 and identification of ARC6 and ARC3 in a native FtsZ complex. Biochemical Journal, 2008, 412, 367-378.	3.7	52
16	Organelle Genome Complexity Scales Positively with Organism Size in Volvocine Green Algae. Molecular Biology and Evolution, 2013, 30, 793-797.	8.9	52
17	Species and Population Level Molecular Profiling Reveals Cryptic Recombination and Emergent Asymmetry in the Dimorphic Mating Locus of <i>C. reinhardtii</i> . PLoS Genetics, 2013, 9, e1003724.	3.5	46
18	The 4-Celled <i>Tetrabaena socialis</i> Nuclear Genome Reveals the Essential Components for Genetic Control of Cell Number at the Origin of Multicellularity in the Volvocine Lineage. Molecular Biology and Evolution, 2018, 35, 855-870.	8.9	43

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19	The Arabidopsis translocator protein (AtTSPO) is regulated at multiple levels in response to salt stress and perturbations in tetrapyrrole metabolism. <i>BMC Plant Biology</i> , 2011, 11, 108.	3.6	42
20	Genomics of Volvocine Algae. <i>Advances in Botanical Research</i> , 2012, 64, 185-243.	1.1	42
21	Fungi and Algae Co-Occur in Snow: An Issue of Shared Habitat or Algal Facilitation of Heterotrophs?. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 729-749.	1.1	41
22	The Simplest Integrated Multicellular Organism Unveiled. <i>PLoS ONE</i> , 2013, 8, e81641.	2.5	40
23	Co-option during the evolution of multicellular and developmental complexity in the volvocine green algae. <i>Current Opinion in Genetics and Development</i> , 2016, 39, 107-115.	3.3	33
24	Sequence of the <i>Gonium pectorale</i> Mating Locus Reveals a Complex and Dynamic History of Changes in Volvocine Algal Mating Haplotypes. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1179-1189.	1.8	24
25	Sex-Specific Posttranslational Regulation of the Gamete Fusogen GCS1 in the Isogamous Volvocine Alga <i>Gonium pectorale</i> . <i>Eukaryotic Cell</i> , 2014, 13, 648-656.	3.4	17
26	From brief encounters to lifelong unions. <i>ELife</i> , 2013, 2, e01893.	6.0	11
27	Small RNA-Seq Analysis Reveals miRNA Expression Dynamics Across Tissues in the Malaria Vector, <i>Anopheles gambiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1507-1517.	1.8	10
28	An integrated approach of field, weather, and satellite data for monitoring maize phenology. <i>Scientific Reports</i> , 2021, 11, 15711.	3.3	4
29	The Curious Case of Multicellularity in the Volvocine Algae. <i>Frontiers in Genetics</i> , 2022, 13, 787665.	2.3	2