Bradley J S C Olson

List of Publications by Year
in descending order

29	1,852	279798 23	477307 29
papers	citations	h-index	g-index

38	38	38	2416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Curious Case of Multicellularity in the Volvocine Algae. Frontiers in Genetics, 2022, 13, 787665.	2.3	2
2	An integrated approach of field, weather, and satellite data for monitoring maize phenology. Scientific Reports, 2021, 11, 15711.	3.3	4
3	Small RNA-Seq Analysis Reveals miRNA Expression Dynamics Across Tissues in the Malaria Vector, Anopheles gambiae. G3: Genes, Genomes, Genetics, 2019, 9, 1507-1517.	1.8	10
4	The 4-Celled Tetrabaena socialis 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
5	A novel R3 <scp>MYB</scp> transcriptional repressor associated with the loss of floral pigmentation in Iochroma. New Phytologist, 2018, 217, 1346-1356.	7.3	71
6	Insights into the red algae and eukaryotic evolution from the genome of Porphyra umbilicalis (Bangiophyceae, Rhodophyta). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6361-E6370.	7.1	233
7	Sequence of the Gonium pectorale Mating Locus Reveals a Complex and Dynamic History of Changes in Volvocine Algal Mating Haplotypes. G3: Genes, Genomes, Genetics, 2016, 6, 1179-1189.	1.8	24
8	Co-option during the evolution of multicellular and developmental complexity in the volvocine green algae. Current Opinion in Genetics and Development, 2016, 39, 107-115.	3.3	33
9	Assays for Determination of Protein Concentration. Current Protocols in Pharmacology, 2016, 73, A.3A.1-A.3A.32.	4.0	63
10	The Gonium pectorale genome demonstrates co-option of cell cycle regulation during the evolution of multicellularity. Nature Communications, 2016, 7, 11370.	12.8	125
11	A new class of cyclin dependent kinase in Chlamydomonas is required for coupling cell size to cell division. ELife, 2016, 5, e10767.	6.0	61
12	Fungi and Algae Co-Occur in Snow: An Issue of Shared Habitat or Algal Facilitation of Heterotrophs?. Arctic, Antarctic, and Alpine Research, 2015, 47, 729-749.	1.1	41
13	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
14	Sex-Specific Posttranslational Regulation of the Gamete Fusogen GCS1 in the Isogamous Volvocine Alga Gonium pectorale. Eukaryotic Cell, 2014, 13, 648-656.	3.4	17
15	Species and Population Level Molecular Profiling Reveals Cryptic Recombination and Emergent Asymmetry in the Dimorphic Mating Locus of C. reinhardtii. PLoS Genetics, 2013, 9, e1003724.	3.5	46
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	From brief encounters to lifelong unions. ELife, 2013, 2, e01893.	6.0	11
18	The Simplest Integrated Multicellular Organism Unveiled. PLoS ONE, 2013, 8, e81641.	2.5	40

#	Article	IF	Citations
19	Genomics of Volvocine Algae. Advances in Botanical Research, 2012, 64, 185-243.	1.1	42
20	The Arabidopsis translocator protein (AtTSPO) is regulated at multiple levels in response to salt stress and perturbations in tetrapyrrole metabolism. BMC Plant Biology, 2011, 11, 108.	3.6	42
21	GTP-dependent Heteropolymer Formation and Bundling of Chloroplast FtsZ1 and FtsZ2. Journal of Biological Chemistry, 2010, 285, 20634-20643.	3.4	60
22	Regulation of theChlamydomonasCell Cycle by a Stable, Chromatin-Associated Retinoblastoma Tumor Suppressor Complex. Plant Cell, 2010, 22, 3331-3347.	6.6	67
23	Evolution of an Expanded Sex-Determining Locus in Volvox. Science, 2010, 328, 351-354.	12.6	159
24	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
25	Plastid division: across time and space. Current Opinion in Plant Biology, 2008, 11, 577-584.	7.1	91
26	In vivo 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
27	Effects of Mutations in Arabidopsis 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
28	Assays for Determination of Protein Concentration. Current Protocols in Protein Science, 2007, 48, Unit 3.4.	2.8	188
29	Formate dehydrogenase in Arabidopsis thaliana: characterization and possible targeting to the chloroplast. Plant Science, 2000, 159, 205-212.	3.6	62