

# Todd P Michael

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89 papers	11,541 citations	46 h-index	102 g-index
102 ext. papers	14,328 ext. citations	13.1 avg, IF	6.5 L-index

#	Paper	IF	Citations
89	Genome sequencing and analysis of the model grass <i>Brachypodium distachyon</i> . <i>Nature</i> , <b>2010</b> , 463, 763-850.4	50.4	1399
88	Genome-wide association study of 107 phenotypes in <i>Arabidopsis thaliana</i> inbred lines. <i>Nature</i> , <b>2010</b> , 465, 627-31	50.4	1257
87	The genome of woodland strawberry ( <i>Fragaria vesca</i> ). <i>Nature Genetics</i> , <b>2011</b> , 43, 109-16	36.3	881
86	The draft genome of the transgenic tropical fruit tree papaya ( <i>Carica papaya</i> Linnaeus). <i>Nature</i> , <b>2008</b> , 452, 991-6	50.4	826
85	The <i>Selaginella</i> genome identifies genetic changes associated with the evolution of vascular plants. <i>Science</i> , <b>2011</b> , 332, 960-3	33.3	622
84	1,135 Genomes Reveal the Global Pattern of Polymorphism in <i>Arabidopsis thaliana</i> . <i>Cell</i> , <b>2016</b> , 166, 481-491	40.1	620
83	Network discovery pipeline elucidates conserved time-of-day-specific cis-regulatory modules. <i>PLoS Genetics</i> , <b>2008</b> , 4, e14	6	389
82	Agriculture: Feeding the future. <i>Nature</i> , <b>2013</b> , 499, 23-4	50.4	363
81	Epigenomic Diversity in a Global Collection of <i>Arabidopsis thaliana</i> Accessions. <i>Cell</i> , <b>2016</b> , 166, 492-505	56.2	353
80	Enhanced fitness conferred by naturally occurring variation in the circadian clock. <i>Science</i> , <b>2003</b> , 302, 1049-53	33.3	347
79	Genome of the long-living sacred lotus ( <i>Nelumbo nucifera</i> Gaertn.). <i>Genome Biology</i> , <b>2013</b> , 14, R41	18.3	241
78	Architecture and evolution of a minute plant genome. <i>Nature</i> , <b>2013</b> , 498, 94-8	50.4	237
77	Single-molecule sequencing of the desiccation-tolerant grass <i>Oropetium thomaeum</i> . <i>Nature</i> , <b>2015</b> , 527, 508-11	50.4	208
76	The First 50 Plant Genomes. <i>Plant Genome</i> , <b>2013</b> , 6, plantgenome2013.03.0001in	4.4	182
75	A morning-specific phytohormone gene expression program underlying rhythmic plant growth. <i>PLoS Biology</i> , <b>2008</b> , 6, e225	9.7	174
74	The PHYTOCHROME C photoreceptor gene mediates natural variation in flowering and growth responses of <i>Arabidopsis thaliana</i> . <i>Nature Genetics</i> , <b>2006</b> , 38, 711-5	36.3	171
73	High contiguity <i>Arabidopsis thaliana</i> genome assembly with a single nanopore flow cell. <i>Nature Communications</i> , <b>2018</b> , 9, 541	17.4	164

72	Progress, challenges and the future of crop genomes. <i>Current Opinion in Plant Biology</i> , <b>2015</b> , 24, 71-81	9.9	149
71	Enhancer trapping reveals widespread circadian clock transcriptional control in Arabidopsis. <i>Plant Physiology</i> , <b>2003</b> , 132, 629-39	6.6	149
70	Genome-wide patterns of single-feature polymorphism in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 12057-62	11.5	147
69	Phase-specific circadian clock regulatory elements in Arabidopsis. <i>Plant Physiology</i> , <b>2002</b> , 130, 627-38	6.6	135
68	Global profiling of rice and poplar transcriptomes highlights key conserved circadian-controlled pathways and cis-regulatory modules. <i>PLoS ONE</i> , <b>2011</b> , 6, e16907	3.7	132
67	Regulation of flowering time in Arabidopsis by K homology domain proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 12759-64	11.5	128
66	Two Arabidopsis circadian oscillators can be distinguished by differential temperature sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 6878-83	11.5	123
65	Integrative analysis of chromatin states in Arabidopsis identified potential regulatory mechanisms for natural antisense transcript production. <i>Plant Journal</i> , <b>2013</b> , 73, 77-90	6.9	116
64	SOPRA: Scaffolding algorithm for paired reads via statistical optimization. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 345	3.6	101
63	Type II protein arginine methyltransferase 5 (PRMT5) is required for circadian period determination in Arabidopsis thaliana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 21211-6	11.5	99
62	Cis-regulatory changes at FLOWERING LOCUS T mediate natural variation in flowering responses of Arabidopsis thaliana. <i>Genetics</i> , <b>2009</b> , 183, 723-32, 1S1-7S1	4	95
61	Plant genome size variation: bloating and purging DNA. <i>Briefings in Functional Genomics</i> , <b>2014</b> , 13, 308-17	4.9	91
60	Evolution of genome size and chromosome number in the carnivorous plant genus Genlisea (Lentibulariaceae), with a new estimate of the minimum genome size in angiosperms. <i>Annals of Botany</i> , <b>2014</b> , 114, 1651-63	4.1	85
59	The out of phase 1 mutant defines a role for PHYB in circadian phase control in Arabidopsis. <i>Plant Physiology</i> , <b>2002</b> , 129, 1674-85	6.6	83
58	The genome of black raspberry (Rubus occidentalis). <i>Plant Journal</i> , <b>2016</b> , 87, 535-47	6.9	78
57	Tcf4 Regulates Synaptic Plasticity, DNA Methylation, and Memory Function. <i>Cell Reports</i> , <b>2016</b> , 16, 2666-2685	6.85	74
56	Comprehensive definition of genome features in Spirodela polyrhiza by high-depth physical mapping and short-read DNA sequencing strategies. <i>Plant Journal</i> , <b>2017</b> , 89, 617-635	6.9	73
55	Building near-complete plant genomes. <i>Current Opinion in Plant Biology</i> , <b>2020</b> , 54, 26-33	9.9	71

54	Isolation and analysis of high quality nuclear DNA with reduced organellar DNA for plant genome sequencing and resequencing. <i>BMC Biotechnology</i> , <b>2011</b> , 11, 54	3.5	62
53	Analysis of global gene expression in <i>Brachypodium distachyon</i> reveals extensive network plasticity in response to abiotic stress. <i>PLoS ONE</i> , <b>2014</b> , 9, e87499	3.7	62
52	The complex architecture and epigenomic impact of plant T-DNA insertions. <i>PLoS Genetics</i> , <b>2019</b> , 15, e1007819	6	61
51	A zinc knuckle protein that negatively controls morning-specific growth in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 17193-8	11.5	58
50	Evolution of Genome Size in Duckweeds (Lemnaceae). <i>Journal of Botany</i> , <b>2011</b> , 2011, 1-9	0	57
49	Exceptional subgenome stability and functional divergence in the allotetraploid Ethiopian cereal teff. <i>Nature Communications</i> , <b>2020</b> , 11, 884	17.4	51
48	Elevated temperature drives kelp microbiome dysbiosis, while elevated carbon dioxide induces water microbiome disruption. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192772	3.7	51
47	Cytochrome P450 monooxygenases as reporters for circadian-regulated pathways. <i>Plant Physiology</i> , <b>2009</b> , 150, 858-78	6.6	50
46	Extreme haplotype variation in the desiccation-tolerant clubmoss <i>Selaginella lepidophylla</i> . <i>Nature Communications</i> , <b>2018</b> , 9, 13	17.4	48
45	Simple sequence repeats provide a substrate for phenotypic variation in the <i>Neurospora crassa</i> circadian clock. <i>PLoS ONE</i> , <b>2007</b> , 2, e795	3.7	48
44	The carnivorous bladderwort ( <i>Utricularia</i> , Lentibulariaceae): a system inflates. <i>Journal of Experimental Botany</i> , <b>2010</b> , 61, 5-9	7	46
43	An SSR-based genetic linkage map of the model grass <i>Brachypodium distachyon</i> . <i>Genome</i> , <b>2010</b> , 53, 1-132.4	4	45
42	A complete <i>Cannabis</i> chromosome assembly and adaptive admixture for elevated cannabidiol (CBD) content		40
41	Generating a high-confidence reference genome map of the Greater Duckweed by integration of cytogenomic, optical mapping, and Oxford Nanopore technologies. <i>Plant Journal</i> , <b>2018</b> , 96, 670-684	6.9	38
40	Seed desiccation mechanisms co-opted for vegetative desiccation in the resurrection grass <i>Oropetium thomaeum</i> . <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 2292-2306	8.4	34
39	Conserved Daily Transcriptional Programs in <i>Carica papaya</i> . <i>Tropical Plant Biology</i> , <b>2008</b> , 1, 236-245	1.6	33
38	Scalable Biosynthesis of the Seaweed Neurochemical, Kainic Acid. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8454-8457	16.4	31
37	Time of day and network reprogramming during drought induced CAM photosynthesis in <i>Sedum album</i> . <i>PLoS Genetics</i> , <b>2019</b> , 15, e1008209	6	29

36	Lycophyte plastid genomics: extreme variation in GC, gene and intron content and multiple inversions between a direct and inverted orientation of the rRNA repeat. <i>New Phytologist</i> , <b>2019</b> , 222, 1061-1075	9.8	29
35	The Chloroplast Genome of <i>Utricularia reniformis</i> Sheds Light on the Evolution of the <i>ndh</i> Gene Complex of Terrestrial Carnivorous Plants from the Lentibulariaceae Family. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165176	3.7	28
34	A new Cannabis genome assembly associates elevated cannabidiol (CBD) with hemp introgressed into marijuana. <i>New Phytologist</i> , <b>2021</b> , 230, 1665-1679	9.8	28
33	Filtering error from SOLiD Output. <i>Bioinformatics</i> , <b>2010</b> , 26, 849-50	7.2	25
32	Return of the Lemnaceae: duckweed as a model plant system in the genomics and postgenomics era. <i>Plant Cell</i> , <b>2021</b> , 33, 3207-3234	11.6	22
31	The mitochondrial genome of the terrestrial carnivorous plant <i>Utricularia reniformis</i> (Lentibulariaceae): Structure, comparative analysis and evolutionary landmarks. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180484	3.7	19
30	Genome and time-of-day transcriptome of link morphological minimization with gene loss and less growth control. <i>Genome Research</i> , <b>2020</b> ,	9.7	17
29	The genetic and epigenetic landscape of the centromeres. <i>Science</i> , <b>2021</b> , 374, eabi7489	33.3	15
28	Intraspecific Variation within the Species Morphotypes Based on Chloroplast Genomes. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	14
27	An Antisense Oligonucleotide Leads to Suppressed Transcription of Hdac2 and Long-Term Memory Enhancement. <i>Molecular Therapy - Nucleic Acids</i> , <b>2020</b> , 19, 1399-1412	10.7	12
26	Estimation of nuclear DNA content of cultivated <i>Ocimum</i> species by using flow cytometry. <i>Israel Journal of Plant Sciences</i> , <b>2010</b> , 58, 183-189	0.6	12
25	Temporal, Environmental, and Biological Drivers of the Mucosal Microbiome in a Wild Marine Fish, <i>Scomber japonicus</i> . <i>MSphere</i> , <b>2020</b> , 5,	5	11
24	Selective inheritance of target genes from only one parent of sexually reproduced F1 progeny in <i>Arabidopsis</i> . <i>Nature Communications</i> , <b>2021</b> , 12, 3854	17.4	11
23	The <i>Arabidopsis</i> circadian system. <i>The Arabidopsis Book</i> , <b>2002</b> , 1, e0044	3	10
22	Comparative genomic analysis of <i>Genlisea</i> (corkscrew plants-Lentibulariaceae) chloroplast genomes reveals an increasing loss of the <i>ndh</i> genes. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190321	3.7	9
21	The Terrestrial Carnivorous Plant Sheds Light on Environmental and Life-Form Genome Plasticity. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	8
20	Improved <i>Spirodela polyrhiza</i> genome and proteomic analyses reveal a conserved chromosomal structure with high abundance of chloroplastic proteins favoring energy production. <i>Journal of Experimental Botany</i> , <b>2021</b> , 72, 2491-2500	7	8
19	High contiguity <i>Arabidopsis thaliana</i> genome assembly with a single nanopore flow cell		7

18	Changes in ambient temperature are the prevailing cue in determining <i>Brachypodium distachyon</i> diurnal gene regulation. <i>New Phytologist</i> , <b>2020</b> , 227, 1709-1724	9.8	6
17	Sequence-guided approach to genotyping plant clones and species using polymorphic NB-ARC-related genes. <i>Plant Molecular Biology</i> , <b>2018</b> , 98, 219-231	4.6	6
16	A new <i>Spirodela polyrhiza</i> genome and proteome reveal a conserved chromosomal structure with high abundances of proteins favoring energy production		4
15	Development of microsatellite markers for the carnivorous plant <i>Genlisea aurea</i> (Lentibulariaceae) using genomics data of NGS. <i>Molecular Biology Reports</i> , <b>2018</b> , 45, 57-61	2.8	3
14	The complete chloroplast genome sequence of the leafy bladderwort, <i>Utricularia foliosa</i> L. (Lentibulariaceae). <i>Conservation Genetics Resources</i> , <b>2017</b> , 9, 213-216	0.8	3
13	Underwater CAM photosynthesis elucidated by <i>Isoetes</i> genome. <i>Nature Communications</i> , <b>2021</b> , 12, 63481	7.4	3
12	Large structural variations in the haplotype-resolved African cassava genome. <i>Plant Journal</i> , <b>2021</b> ,	6.9	2
11	Horizontal transfer and evolution of wall teichoic acid gene cassettes in .. <i>F1000Research</i> , <b>2021</b> , 10, 3543	3.6	2
10	Scalable Biosynthesis of the Seaweed Neurochemical, Kainic Acid. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8542	3.6	1
9	The complex architecture of plant transgene insertions		1
8	Changes in ambient temperature are the prevailing cue in determining <i>Brachypodium distachyon</i> diurnal gene regulation		1
7	Genome and time-of-day transcriptome of <i>Wolffia australiana</i> link morphological extreme minimization with un-gated plant growth		1
6	A pan-genome method to determine core regions of the and genomes. <i>F1000Research</i> , <b>2021</b> , 10, 286	3.6	1
5	Large structural variations in the haplotype-resolved African cassava genome		1
4	A pan-genome method to determine core regions of the <i>Bacillus subtilis</i> and <i>Escherichia coli</i> genomes. <i>F1000Research</i> , <b>2021</b> , 10, 286	3.6	1
3	Contrasting a reference cranberry genome to a crop wild relative provides insights into adaptation, domestication, and breeding.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0264966	3.7	1
2	The complete mitochondrial genome of carnivorous <i>Genlisea tuberosa</i> (Lentibulariaceae): Structure and evolutionary aspects.. <i>Gene</i> , <b>2022</b> , 824, 146391	3.8	1
1	Sequence and Analysis of the Black Raspberry ( <i>Rubus occidentalis</i> ) Genome. <i>Compendium of Plant Genomes</i> , <b>2018</b> , 185-197	0.8	0

