

# Todd P Michael

## List of Publications by Year in descending order

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85  
papers

15,799  
citations

36203

51  
h-index

49773

87  
g-index

102  
all docs

102  
docs citations

102  
times ranked

18001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequencing and analysis of the model grass <i>Brachypodium distachyon</i> . <i>Nature</i> , 2010, 463, 763-768.	13.7	1,685
2	Genome-wide association study of 107 phenotypes in <i>Arabidopsis thaliana</i> inbred lines. <i>Nature</i> , 2010, 465, 627-631.	13.7	1,651
3	1,135 Genomes Reveal the Global Pattern of Polymorphism in <i>Arabidopsis thaliana</i> . <i>Cell</i> , 2016, 166, 481-491.	13.5	1,107
4	The genome of woodland strawberry ( <i>Fragaria vesca</i> ). <i>Nature Genetics</i> , 2011, 43, 109-116.	9.4	1,091
5	The draft genome of the transgenic tropical fruit tree papaya ( <i>Carica papaya</i> Linnaeus). <i>Nature</i> , 2008, 452, 991-996.	13.7	964
6	The <i>Selaginella</i> Genome Identifies Genetic Changes Associated with the Evolution of Vascular Plants. <i>Science</i> , 2011, 332, 960-963.	6.0	794
7	Epigenomic Diversity in a Global Collection of <i>Arabidopsis thaliana</i> Accessions. <i>Cell</i> , 2016, 166, 492-505.	13.5	594
8	Network Discovery Pipeline Elucidates Conserved Time-of-Day-Specific cis-Regulatory Modules. <i>PLoS Genetics</i> , 2008, 4, e14.	1.5	474
9	Feeding the future. <i>Nature</i> , 2013, 499, 23-24.	13.7	464
10	Enhanced Fitness Conferred by Naturally Occurring Variation in the Circadian Clock. <i>Science</i> , 2003, 302, 1049-1053.	6.0	411
11	Genome of the long-living sacred lotus ( <i>Nelumbo nucifera</i> Gaertn.). <i>Genome Biology</i> , 2013, 14, R41.	13.9	329
12	Architecture and evolution of a minute plant genome. <i>Nature</i> , 2013, 498, 94-98.	13.7	293
13	Single-molecule sequencing of the desiccation-tolerant grass <i>Oropetium thomaeum</i> . <i>Nature</i> , 2015, 527, 508-511.	13.7	291
14	High contiguity <i>Arabidopsis thaliana</i> genome assembly with a single nanopore flow cell. <i>Nature Communications</i> , 2018, 9, 541.	5.8	243
15	The First 50 Plant Genomes. <i>Plant Genome</i> , 2013, 6, plantgenome2013.03.0001in.	1.6	228
16	A Morning-Specific Phytohormone Gene Expression Program underlying Rhythmic Plant Growth. <i>PLoS Biology</i> , 2008, 6, e225.	2.6	197
17	Progress, challenges and the future of crop genomes. <i>Current Opinion in Plant Biology</i> , 2015, 24, 71-81.	3.5	197
18	The PHYTOCHROME C photoreceptor gene mediates natural variation in flowering and growth responses of <i>Arabidopsis thaliana</i> . <i>Nature Genetics</i> , 2006, 38, 711-715.	9.4	191

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19	Global Profiling of Rice and Poplar Transcriptomes Highlights Key Conserved Circadian-Controlled Pathways and cis-Regulatory Modules. <i>PLoS ONE</i> , 2011, 6, e16907.	1.1	188
20	The genetic and epigenetic landscape of the <i>Arabidopsis</i> centromeres. <i>Science</i> , 2021, 374, eabi7489.	6.0	188
21	Genome-wide patterns of single-feature polymorphism in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12057-12062.	3.3	157
22	Enhancer Trapping Reveals Widespread Circadian Clock Transcriptional Control in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2003, 132, 629-639.	2.3	156
23	Regulation of flowering time in <i>Arabidopsis</i> by K homology domain proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12759-12764.	3.3	150
24	Integrative analysis of chromatin states in <i>Arabidopsis</i> identified potential regulatory mechanisms for natural antisense transcript production. <i>Plant Journal</i> , 2013, 73, 77-90.	2.8	147
25	Phase-Specific Circadian Clock Regulatory Elements in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2002, 130, 627-638.	2.3	146
26	Two <i>Arabidopsis</i> circadian oscillators can be distinguished by differential temperature sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 6878-6883.	3.3	143
27	Plant genome size variation: bloating and purging DNA. <i>Briefings in Functional Genomics</i> , 2014, 13, 308-317.	1.3	137
28	Building near-complete plant genomes. <i>Current Opinion in Plant Biology</i> , 2020, 54, 26-33.	3.5	135
29	SOPRA: Scaffolding algorithm for paired reads via statistical optimization. <i>BMC Bioinformatics</i> , 2010, 11, 345.	1.2	133
30	Comprehensive definition of genome features in <i>Spirodela polyrhiza</i> by high-depth physical mapping and short-read DNA sequencing strategies. <i>Plant Journal</i> , 2017, 89, 617-635.	2.8	115
31	Type II protein arginine methyltransferase 5 (PRMT5) is required for circadian period determination in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21211-21216.	3.3	113
32	Tcf4 Regulates Synaptic Plasticity, DNA Methylation, and Memory Function. <i>Cell Reports</i> , 2016, 16, 2666-2685.	2.9	113
33	Evolution of genome size and chromosome number in the carnivorous plant genus <i>Genlisea</i> (Lentibulariaceae), with a new estimate of the minimum genome size in angiosperms. <i>Annals of Botany</i> , 2014, 114, 1651-1663.	1.4	111
34	The genome of black raspberry ( <i>Rubus occidentalis</i> ). <i>Plant Journal</i> , 2016, 87, 535-547.	2.8	111
35	Return of the Lemnaceae: duckweed as a model plant system in the genomics and postgenomics era. <i>Plant Cell</i> , 2021, 33, 3207-3234.	3.1	111
36	Isolation and analysis of high quality nuclear DNA with reduced organellar DNA for plant genome sequencing and resequencing. <i>BMC Biotechnology</i> , 2011, 11, 54.	1.7	110

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37	Cis-regulatory Changes at FLOWERING LOCUS T Mediate Natural Variation in Flowering Responses of <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2009, 183, 723-732.	1.2	109
38	The complex architecture and epigenomic impact of plant T-DNA insertions. <i>PLoS Genetics</i> , 2019, 15, e1007819.	1.5	109
39	Exceptional subgenome stability and functional divergence in the allotetraploid Ethiopian cereal teff. <i>Nature Communications</i> , 2020, 11, 884.	5.8	101
40	The out of phase 1 Mutant Defines a Role for PHYB in Circadian Phase Control in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2002, 129, 1674-1685.	2.3	99
41	Elevated temperature drives kelp microbiome dysbiosis, while elevated carbon dioxide induces water microbiome disruption. <i>PLoS ONE</i> , 2018, 13, e0192772.	1.1	95
42	Extreme haplotype variation in the desiccation-tolerant clubmoss <i>Selaginella lepidophylla</i> . <i>Nature Communications</i> , 2018, 9, 13.	5.8	89
43	A new <i>Cannabis</i> genome assembly associates elevated cannabidiol (CBD) with hemp introgressed into marijuana. <i>New Phytologist</i> , 2021, 230, 1665-1679.	3.5	87
44	Analysis of Global Gene Expression in <i>Brachypodium distachyon</i> Reveals Extensive Network Plasticity in Response to Abiotic Stress. <i>PLoS ONE</i> , 2014, 9, e87499.	1.1	80
45	Evolution of Genome Size in Duckweeds ( <i>Lemnaceae</i> ). <i>Journal of Botany</i> , 2011, 2011, 1-9.	1.2	79
46	Cytochrome P450 Monooxygenases as Reporters for Circadian-Regulated Pathways. <i>Plant Physiology</i> , 2009, 150, 858-878.	2.3	75
47	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> , 2008, 105, 17193-17198.	3.3	67
48	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> , 2018, 96, 670-684.	2.8	64
49	Simple Sequence Repeats Provide a Substrate for Phenotypic Variation in the <i>Neurospora crassa</i> Circadian Clock. <i>PLoS ONE</i> , 2007, 2, e795.	1.1	61
50	Time of day and network reprogramming during drought induced CAM photosynthesis in <i>Sedum album</i> . <i>PLoS Genetics</i> , 2019, 15, e1008209.	1.5	59
51	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 <i>Lentibulariaceae</i> Family. <i>PLoS ONE</i> , 2016, 11, e0165176.	1.1	57
52	Genome and time-of-day transcriptome of <i>Wolffia australiana</i> link morphological minimization with gene loss and less growth control. <i>Genome Research</i> , 2021, 31, 225-238.	2.4	56
53	Underwater CAM photosynthesis elucidated by <i>Isoetes</i> genome. <i>Nature Communications</i> , 2021, 12, 6348.	5.8	56
54	An SSR-based genetic linkage map of the model grass <i>Brachypodium distachyon</i> . <i>Genome</i> , 2010, 53, 1-13.	0.9	55

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55	The carnivorous bladderwort ( <i>Utricularia</i> , Lentibulariaceae): a system inflates. <i>Journal of Experimental Botany</i> , 2010, 61, 5-9.	2.4	51
56	Lycophyte plastid genomics: extreme variation in <i>GC</i> , gene and intron content and multiple inversions between a direct and inverted orientation of the <i>rRNA</i> repeat. <i>New Phytologist</i> , 2019, 222, 1061-1075.	3.5	51
57	Seed desiccation mechanisms co-opted for vegetative desiccation in the resurrection grass <i>Oropetium thomaeum</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 2292-2306.	2.8	49
58	Scalable Biosynthesis of the Seaweed Neurochemical, Kainic Acid. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8454-8457.	7.2	49
59	Temporal, Environmental, and Biological Drivers of the Mucosal Microbiome in a Wild Marine Fish, <i>Scomber japonicus</i> . <i>MSphere</i> , 2020, 5, .	1.3	49
60	Conserved Daily Transcriptional Programs in <i>Carica papaya</i> . <i>Tropical Plant Biology</i> , 2008, 1, 236-245.	1.0	37
61	The Terrestrial Carnivorous Plant <i>Utricularia reniformis</i> Sheds Light on Environmental and Life-Form Genome Plasticity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3.	1.8	30
62	Filtering error from SOLiD Output. <i>Bioinformatics</i> , 2010, 26, 849-850.	1.8	29
63	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> , 2021, 72, 2491-2500.	2.4	25
64	The mitochondrial genome of the terrestrial carnivorous plant <i>Utricularia reniformis</i> (Lentibulariaceae): Structure, comparative analysis and evolutionary landmarks. <i>PLoS ONE</i> , 2017, 12, e0180484.	1.1	24
65	Intraspecific Variation within the <i>Utricularia amethystina</i> Species Morphotypes Based on Chloroplast Genomes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6130.	1.8	23
66	Large structural variations in the haplotype-resolved African cassava genome. <i>Plant Journal</i> , 2021, 108, 1830-1848.	2.8	22
67	The <i>Arabidopsis</i> Circadian System. <i>The Arabidopsis Book</i> , 2002, 1, e0044.	0.5	21
68	An Antisense Oligonucleotide Leads to Suppressed Transcription of <i>Hdac2</i> and Long-Term Memory Enhancement. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 1399-1412.	2.3	18
69	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> , 2018, 13, e0190321.	1.1	17
70	Estimation of nuclear DNA content of cultivated <i>Ocimum</i> species by using flow cytometry. <i>Israel Journal of Plant Sciences</i> , 2010, 58, 183-189.	0.3	16
71	Changes in ambient temperature are the prevailing cue in determining <i>Brachypodium distachyon</i> diurnal gene regulation. <i>New Phytologist</i> , 2020, 227, 1709-1724.	3.5	16
72	Contrasting a reference cranberry genome to a crop wild relative provides insights into adaptation, domestication, and breeding. <i>PLoS ONE</i> , 2022, 17, e0264966.	1.1	13

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73	The genome and preliminary single-nuclei transcriptome of <i>Lemna minuta</i> reveals mechanisms of invasiveness. <i>Plant Physiology</i> , 2022, 188, 879-897.	2.3	13
74	Wolffia, a minimalist plant and synthetic biology chassis. <i>Trends in Plant Science</i> , 2022, 27, 430-439.	4.3	13
75	The tomato genome fleshed out. <i>Nature Biotechnology</i> , 2012, 30, 765-767.	9.4	12
76	Sequence-guided approach to genotyping plant clones and species using polymorphic NB-ARC-related genes. <i>Plant Molecular Biology</i> , 2018, 98, 219-231.	2.0	8
77	The complete chloroplast genome sequence of the leafy bladderwort, <i>Utricularia foliosa</i> L. (Lentibulariaceae). <i>Conservation Genetics Resources</i> , 2017, 9, 213-216.	0.4	5
78	A pan-genome method to determine core regions of the <i>Bacillus subtilis</i> and <i>Escherichia coli</i> genomes. <i>F1000Research</i> , 2021, 10, 286.	0.8	5
79	Core circadian clock and light signaling genes brought into genetic linkage across the green lineage. <i>Plant Physiology</i> , 2022, 190, 1037-1056.	2.3	5
80	Development of microsatellite markers for the carnivorous plant <i>Genlisea aurea</i> (Lentibulariaceae) using genomics data of NGS. <i>Molecular Biology Reports</i> , 2018, 45, 57-61.	1.0	4
81	Scalable Biosynthesis of the Seaweed Neurochemical, Kainic Acid. <i>Angewandte Chemie</i> , 2019, 131, 8542-8545.	1.6	4
82	Horizontal transfer and evolution of wall teichoic acid gene cassettes in <i>Bacillus subtilis</i> . <i>F1000Research</i> , 2021, 10, 354.	0.8	4
83	Sequence and Analysis of the Black Raspberry ( <i>Rubus occidentalis</i> ) Genome. <i>Compendium of Plant Genomes</i> , 2018, , 185-197.	0.3	3
84	A pan-genome method to determine core regions of the <i>Bacillus subtilis</i> and <i>Escherichia coli</i> genomes. <i>F1000Research</i> , 2021, 10, 286.	0.8	3
85	The complete mitochondrial genome of carnivorous <i>Genlisea tuberosa</i> (Lentibulariaceae): Structure and evolutionary aspects. <i>Gene</i> , 2022, 824, 146391.	1.0	3