

Miltos Tsiantis

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,056
citations

304743

22
h-index

361022

35
g-index

97
all docs

97
docs citations

97
times ranked

3123
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytokinin promotes growth cessation in the Arabidopsis root. <i>Current Biology</i> , 2022, 32, 1974-1985.e3.	3.9	20
2	The annotation and analysis of complex 3D plant organs using 3DCoordX. <i>Plant Physiology</i> , 2022, 189, 1278-1295.	4.8	4
3	Using positional information to provide context for biological image analysis with MorphoGraphX 2.0. <i>ELife</i> , 2022, 11, .	6.0	41
4	Fine-scale empirical data on niche divergence and homeolog expression patterns in an allopolyploid and its diploid progenitor species. <i>New Phytologist</i> , 2021, 229, 3587-3601.	7.3	18
5	Gene expression evolution in pattern-triggered immunity within <i>Arabidopsis thaliana</i> and across Brassicaceae species. <i>Plant Cell</i> , 2021, 33, 1863-1887.	6.6	27
6	Adjustment of the PIF7-CHFR1 transcriptional module activity controls plant shade adaptation. <i>EMBO Journal</i> , 2021, 40, e104273.	7.8	32
7	Phyllotaxis: is the golden angle optimal for light capture?. <i>New Phytologist</i> , 2020, 225, 499-510.	7.3	33
8	A WOX/Auxin Biosynthesis Module Controls Growth to Shape Leaf Form. <i>Current Biology</i> , 2020, 30, 4857-4868.e6.	3.9	69
9	Oil Body Formation in <i>Marchantia polymorpha</i> Is Controlled by MpC1HDZ and Serves as a Defense against Arthropod Herbivores. <i>Current Biology</i> , 2020, 30, 2815-2828.e8.	3.9	48
10	CRISPR/Cas9-Mediated Mutagenesis of RCO in <i>Cardamine hirsuta</i> . <i>Plants</i> , 2020, 9, 268.	3.5	1
11	Accurate and versatile 3D segmentation of plant tissues at cellular resolution. <i>ELife</i> , 2020, 9, .	6.0	155
12	Photoreceptor Activity Contributes to Contrasting Responses to Shade in <i>Cardamine</i> and <i>Arabidopsis</i> Seedlings. <i>Plant Cell</i> , 2019, 31, tpc.00275.2019.	6.6	23
13	A Growth-Based Framework for Leaf Shape Development and Diversity. <i>Cell</i> , 2019, 177, 1405-1418.e17.	28.9	183
14	Resolving the backbone of the Brassicaceae phylogeny for investigating trait diversity. <i>New Phytologist</i> , 2019, 222, 1638-1651.	7.3	123
15	Autoregulation of RCO by Low-Affinity Binding Modulates Cytokinin Action and Shapes Leaf Diversity. <i>Current Biology</i> , 2019, 29, 4183-4192.e6.	3.9	21
16	Differential spatial distribution of miR165/6 determines variability in plant root anatomy. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	22
17	LMI1 homeodomain protein regulates organ proportions by spatial modulation of endoreduplication. <i>Genes and Development</i> , 2018, 32, 1361-1366.	5.9	29
18	Why plants make puzzle cells, and how their shape emerges. <i>ELife</i> , 2018, 7, .	6.0	208

#	ARTICLE	IF	CITATIONS
19	Gene networks and the evolution of plant morphology. <i>Current Opinion in Plant Biology</i> , 2018, 45, 82-87.	7.1	37
20	Using mustard genomes to explore the genetic basis of evolutionary change. <i>Current Opinion in Plant Biology</i> , 2017, 36, 119-128.	7.1	25
21	Genomic Rearrangements in <i>Arabidopsis</i> Considered as Quantitative Traits. <i>Genetics</i> , 2017, 205, 1425-1441.	2.9	21
22	Enhancer evolution and the origins of morphological novelty. <i>Current Opinion in Genetics and Development</i> , 2017, 45, 115-123.	3.3	92
23	Coupled enhancer and coding sequence evolution of a homeobox gene shaped leaf diversity. <i>Genes and Development</i> , 2016, 30, 2370-2375.	5.9	56
24	<i>Cardamine hirsuta</i> : a comparative view. <i>Current Opinion in Genetics and Development</i> , 2016, 39, 1-7.	3.3	20
25	The <i>Cardamine hirsuta</i> genome offers insight into the evolution of morphological diversity. <i>Nature Plants</i> , 2016, 2, 16167.	9.3	90
26	Morphomechanical Innovation Drives Explosive Seed Dispersal. <i>Cell</i> , 2016, 166, 222-233.	28.9	128
27	From limbs to leaves: common themes in evolutionary diversification of organ form. <i>Frontiers in Genetics</i> , 2015, 6, 284.	2.3	11
28	Interspecies Gene Transfer as a Method for Understanding the Genetic Basis for Evolutionary Change: Progress, Pitfalls, and Prospects. <i>Frontiers in Plant Science</i> , 2015, 6, 1135.	3.6	6
29	MorphoGraphX: A platform for quantifying morphogenesis in 4D. <i>ELife</i> , 2015, 4, 05864.	6.0	389
30	Alternate wiring of a <i>KNOX1</i> genetic network underlies differences in leaf development of <i>A. thaliana</i> and <i>C. hirsuta</i> . <i>Genes and Development</i> , 2015, 29, 2391-2404.	5.9	68
31	Heterochrony underpins natural variation in <i>Cardamine hirsuta</i> leaf form. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10539-10544.	7.1	60
32	<i>Cardamine hirsuta</i> : a versatile genetic system for comparative studies. <i>Plant Journal</i> , 2014, 78, 1-15.	5.7	78
33	Leaf Shape Evolution Through Duplication, Regulatory Diversification, and Loss of a Homeobox Gene. <i>Science</i> , 2014, 343, 780-783.	12.6	269
34	A developmental framework for dissected leaf formation in the <i>Arabidopsis</i> relative <i>Cardamine hirsuta</i> . <i>Nature Genetics</i> , 2008, 40, 1136-1141.	21.4	297
35	The genetic basis for differences in leaf form between <i>Arabidopsis thaliana</i> and its wild relative <i>Cardamine hirsuta</i> . <i>Nature Genetics</i> , 2006, 38, 942-947.	21.4	343