Miltos Tsiantis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1029078/publications.pdf

Version: 2024-02-01

35	3,056	304743	361022
papers	citations	22 h-index	35 g-index

97	97	97	3123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MorphoGraphX: A platform for quantifying morphogenesis in 4D. ELife, 2015, 4, 05864.	6.0	389
2	The genetic basis for differences in leaf form between Arabidopsis thaliana and its wild relative Cardamine hirsuta. Nature Genetics, 2006, 38, 942-947.	21.4	343
3	A developmental framework for dissected leaf formation in the Arabidopsis relative Cardamine hirsuta. Nature Genetics, 2008, 40, 1136-1141.	21.4	297
4	Leaf Shape Evolution Through Duplication, Regulatory Diversification, and Loss of a Homeobox Gene. Science, 2014, 343, 780-783.	12.6	269
5	Why plants make puzzle cells, and how their shape emerges. ELife, 2018, 7, .	6.0	208
6	A Growth-Based Framework for Leaf Shape Development and Diversity. Cell, 2019, 177, 1405-1418.e17.	28.9	183
7	Accurate and versatile 3D segmentation of plant tissues at cellular resolution. ELife, 2020, 9, .	6.0	155
8	Morphomechanical Innovation Drives Explosive Seed Dispersal. Cell, 2016, 166, 222-233.	28.9	128
9	Resolving the backbone of the Brassicaceae phylogeny for investigating trait diversity. New Phytologist, 2019, 222, 1638-1651.	7.3	123
10	Enhancer evolution and the origins of morphological novelty. Current Opinion in Genetics and Development, 2017, 45, 115-123.	3.3	92
11	The Cardamine hirsuta genome offers insight into the evolution of morphological diversity. Nature Plants, 2016, 2, 16167.	9.3	90
12	Cardamine hirsuta: a versatile genetic system for comparative studies. Plant Journal, 2014, 78, 1-15.	5.7	78
13	A WOX/Auxin Biosynthesis Module Controls Growth to Shape Leaf Form. Current Biology, 2020, 30, 4857-4868.e6.	3.9	69
14	Alternate wiring of a KNOXI genetic network underlies differences in leaf development of A. thaliana and C. hirsuta. Genes and Development, 2015, 29, 2391-2404.	5.9	68
15	Heterochrony underpins natural variation inCardamine hirsutaleaf form. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10539-10544.	7.1	60
16	Coupled enhancer and coding sequence evolution of a homeobox gene shaped leaf diversity. Genes and Development, 2016, 30, 2370-2375.	5.9	56
17	Oil Body Formation in Marchantia polymorpha Is Controlled by MpC1HDZ and Serves as a Defense against Arthropod Herbivores. Current Biology, 2020, 30, 2815-2828.e8.	3.9	48
18	Using positional information to provide context for biological image analysis with MorphoGraphX 2.0. ELife, 2022, 11, .	6.0	41

#	Article	IF	Citations
19	Gene networks and the evolution of plant morphology. Current Opinion in Plant Biology, 2018, 45, 82-87.	7.1	37
20	Phyllotaxis: is the golden angle optimal for light capture?. New Phytologist, 2020, 225, 499-510.	7.3	33
21	Adjustment of the PIF7â€HFR1 transcriptional module activity controls plant shade adaptation. EMBO Journal, 2021, 40, e104273.	7.8	32
22	LMI1 homeodomain protein regulates organ proportions by spatial modulation of endoreduplication. Genes and Development, 2018, 32, 1361-1366.	5.9	29
23	Gene expression evolution in pattern-triggered immunity within Arabidopsis thaliana and across Brassicaceae species. Plant Cell, 2021, 33, 1863-1887.	6.6	27
24	Using mustard genomes to explore the genetic basis of evolutionary change. Current Opinion in Plant Biology, 2017, 36, 119-128.	7.1	25
25	Photoreceptor Activity Contributes to Contrasting Responses to Shade in Cardamine and Arabidopsis Seedlings. Plant Cell, 2019, 31, tpc.00275.2019.	6.6	23
26	Differential spatial distribution of miR165/6 determines variability in plant root anatomy. Development (Cambridge), 2018, 145, .	2.5	22
27	Genomic Rearrangements inArabidopsisConsidered as Quantitative Traits. Genetics, 2017, 205, 1425-1441.	2.9	21
28	Autoregulation of RCO by Low-Affinity Binding Modulates Cytokinin Action and Shapes Leaf Diversity. Current Biology, 2019, 29, 4183-4192.e6.	3.9	21
29	Cardamine hirsuta: a comparative view. Current Opinion in Genetics and Development, 2016, 39, 1-7.	3.3	20
30	Cytokinin promotes growth cessation in the Arabidopsis root. Current Biology, 2022, 32, 1974-1985.e3.	3.9	20
31	Fineâ€scale empirical data on niche divergence and homeolog expression patterns in an allopolyploid and its diploid progenitor species. New Phytologist, 2021, 229, 3587-3601.	7.3	18
32	From limbs to leaves: common themes in evolutionary diversification of organ form. Frontiers in Genetics, 2015, 6, 284.	2.3	11
33	Interspecies Gene Transfer as a Method for Understanding the Genetic Basis for Evolutionary Change: Progress, Pitfalls, and Prospects. Frontiers in Plant Science, 2015, 6, 1135.	3.6	6
34	The annotation and analysis of complex 3D plant organs using 3DCoordX. Plant Physiology, 2022, 189, 1278-1295.	4.8	4
35	CRISPR/Cas9-Mediated Mutagenesis of RCO in Cardamine hirsuta. Plants, 2020, 9, 268.	3.5	1