

Zachary B Lippman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1277884/publications.pdf>

Version: 2024-02-01

46
papers

11,798
citations

94433

37
h-index

233421

45
g-index

52
all docs

52
docs citations

52
times ranked

11780
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of transposable elements in heterochromatin and epigenetic control. <i>Nature</i> , 2004, 430, 471-476.	27.8	1,103
2	Vernalization requires epigenetic silencing of FLC by histone methylation. <i>Nature</i> , 2004, 427, 164-167.	27.8	866
3	Engineering Quantitative Trait Variation for Crop Improvement by Genome Editing. <i>Cell</i> , 2017, 171, 470-480.e8.	28.9	797
4	Efficient Gene Editing in Tomato in the First Generation Using the Clustered Regularly Interspaced Short Palindromic Repeats/CRISPR-Associated9 System. <i>Plant Physiology</i> , 2014, 166, 1292-1297.	4.8	675
5	Profiling histone modification patterns in plants using genomic tiling microarrays. <i>Nature Methods</i> , 2005, 2, 213-218.	19.0	521
6	Heterosis: revisiting the magic. <i>Trends in Genetics</i> , 2007, 23, 60-66.	6.7	517
7	The role of RNA interference in heterochromatic silencing. <i>Nature</i> , 2004, 431, 364-370.	27.8	514
8	RaGOO: fast and accurate reference-guided scaffolding of draft genomes. <i>Genome Biology</i> , 2019, 20, 224.	8.8	469
9	Major Impacts of Widespread Structural Variation on Gene Expression and Crop Improvement in Tomato. <i>Cell</i> , 2020, 182, 145-161.e23.	28.9	464
10	The flowering gene SINGLE FLOWER TRUSS drives heterosis for yield in tomato. <i>Nature Genetics</i> , 2010, 42, 459-463.	21.4	438
11	Dependence of Heterochromatic Histone H3 Methylation Patterns on the <i>Arabidopsis</i> Gene <i>DDM1</i> . <i>Science</i> , 2002, 297, 1871-1873.	12.6	417
12	Epigenetic Natural Variation in <i>Arabidopsis thaliana</i> . <i>PLoS Biology</i> , 2007, 5, e174.	5.6	400
13	Distinct Mechanisms Determine Transposon Inheritance and Methylation via Small Interfering RNA and Histone Modification. <i>PLoS Biology</i> , 2003, 1, e67.	5.6	369
14	Rapid improvement of domestication traits in an orphan crop by genome editing. <i>Nature Plants</i> , 2018, 4, 766-770.	9.3	361
15	A cascade of arabinosyltransferases controls shoot meristem size in tomato. <i>Nature Genetics</i> , 2015, 47, 784-792.	21.4	348
16	Variation in the flowering gene SELF PRUNING 5G promotes day-neutrality and early yield in tomato. <i>Nature Genetics</i> , 2017, 49, 162-168.	21.4	344
17	Bypassing Negative Epistasis on Yield in Tomato Imposed by a Domestication Gene. <i>Cell</i> , 2017, 169, 1142-1155.e12.	28.9	286
18	Overdominant quantitative trait loci for yield and fitness in tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12981-12986.	7.1	266

#	ARTICLE	IF	CITATIONS
19	The Making of a Compound Inflorescence in Tomato and Related Nightshades. <i>PLoS Biology</i> , 2008, 6, e288.	5.6	207
20	Revolutions in agriculture chart a course for targeted breeding of old and new crops. <i>Science</i> , 2019, 366, .	12.6	197
21	Dissecting the Genetic Pathway to Extreme Fruit Size in Tomato Using a Cross Between the Small-Fruited Wild Species <i>Lycopersicon pimpinellifolium</i> and <i>L. esculentum</i> var. Giant Heirloom. <i>Genetics</i> , 2001, 158, 413-422.	2.9	191
22	An integrated view of quantitative trait variation using tomato interspecific introgression lines. <i>Current Opinion in Genetics and Development</i> , 2007, 17, 545-552.	3.3	178
23	Rate of meristem maturation determines inflorescence architecture in tomato. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 639-644.	7.1	171
24	Optimization of crop productivity in tomato using induced mutations in the florigen pathway. <i>Nature Genetics</i> , 2014, 46, 1337-1342.	21.4	169
25	Differential Regulation of Strand-Specific Transcripts from Arabidopsis Centromeric Satellite Repeats. <i>PLoS Genetics</i> , 2005, 1, e79.	3.5	162
26	Rapid customization of Solanaceae fruit crops for urban agriculture. <i>Nature Biotechnology</i> , 2020, 38, 182-188.	17.5	133
27	Evolution of buffering in a genetic circuit controlling plant stem cell proliferation. <i>Nature Genetics</i> , 2019, 51, 786-792.	21.4	129
28	Control of inflorescence architecture in tomato by BTB/POZ transcriptional regulators. <i>Genes and Development</i> , 2016, 30, 2048-2061.	5.9	128
29	Synchronization of the flowering transition by the tomato TERMINATING FLOWER gene. <i>Nature Genetics</i> , 2012, 44, 1393-1398.	21.4	122
30	Profiling DNA methylation patterns using genomic tiling microarrays. <i>Nature Methods</i> , 2005, 2, 219-224.	19.0	119
31	Conserved pleiotropy of an ancient plant homeobox gene uncovered by cis-regulatory dissection. <i>Cell</i> , 2021, 184, 1724-1739.e16.	28.9	103
32	Tomato Yield Heterosis Is Triggered by a Dosage Sensitivity of the Florigen Pathway That Fine-Tunes Shoot Architecture. <i>PLoS Genetics</i> , 2013, 9, e1004043.	3.5	85
33	Dissecting cis-regulatory control of quantitative trait variation in a plant stem cell circuit. <i>Nature Plants</i> , 2021, 7, 419-427.	9.3	72
34	Meristem maturation and inflorescence architecture—lessons from the Solanaceae. <i>Current Opinion in Plant Biology</i> , 2014, 17, 70-77.	7.1	67
35	Duplication of a domestication locus neutralized a cryptic variant that caused a breeding barrier in tomato. <i>Nature Plants</i> , 2019, 5, 471-479.	9.3	66
36	Extremely elongated tomato fruit controlled by four quantitative trait loci with epistatic interactions. <i>Theoretical and Applied Genetics</i> , 2002, 104, 241-247.	3.6	61

#	ARTICLE	IF	CITATIONS
37	The evolution of inflorescence diversity in the nightshades and heterochrony during meristem maturation. <i>Genome Research</i> , 2016, 26, 1676-1686.	5.5	51
38	Hydroxyproline O ⁶ -arabinosyltransferase mutants oppositely alter tip growth in <i>Arabidopsis thaliana</i> and <i>Physcomitrella patens</i> . <i>Plant Journal</i> , 2016, 85, 193-208.	5.7	40
39	Transposons, Tandem Repeats, and the Silencing of Imprinted Genes. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2004, 69, 371-380.	1.1	27
40	Dynamic evolution of small signalling peptide compensation in plant stem cell control. <i>Nature Plants</i> , 2022, 8, 346-355.	9.3	27
41	New Horizons for Dissecting Epistasis in Crop Quantitative Trait Variation. <i>Annual Review of Genetics</i> , 2020, 54, 287-307.	7.6	23
42	Control of flowering and inflorescence architecture in tomato by synergistic interactions between ALOG transcription factors. <i>Journal of Genetics and Genomics</i> , 2018, 45, 557-560.	3.9	13
43	Optimized sample selection for cost-efficient long-read population sequencing. <i>Genome Research</i> , 2021, 31, 910-918.	5.5	4
44	Newly Discovered Alleles of the Tomato Antiflorigen Gene SELF PRUNING Provide a Range of Plant Compactness and Yield. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7149.	4.1	2
45	Winning a plant campaign. <i>Nature</i> , 2008, 453, 954-954.	27.8	0
46	Identification of Genetic Factors Controlling the Formation of Multiple Flowers Per Node in Pepper (<i>Capsicum</i> spp.). <i>Frontiers in Plant Science</i> , 2022, 13, .	3.6	0