

Tzung-Fu Hsieh

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

4,696
citations

257450

24
h-index

330143

37
g-index

47
all docs

47
docs citations

47
times ranked

5155
citing authors

#	ARTICLE	IF	CITATIONS
1	DEMETER DNA Glycosylase Establishes MEDEA Polycomb Gene Self-Imprinting by Allele-Specific Demethylation. <i>Cell</i> , 2006, 124, 495-506.	28.9	665
2	Genome-Wide Demethylation of <i>Arabidopsis</i> Endosperm. <i>Science</i> , 2009, 324, 1451-1454.	12.6	628
3	A CRISPR/Cas9 Toolbox for Multiplexed Plant Genome Editing and Transcriptional Regulation. <i>Plant Physiology</i> , 2015, 169, 971-985.	4.8	532
4	Active DNA Demethylation in Plant Companion Cells Reinforces Transposon Methylation in Gametes. <i>Science</i> , 2012, 337, 1360-1364.	12.6	445
5	Regulation of imprinted gene expression in <i>Arabidopsis</i> endosperm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1755-1762.	7.1	317
6	Molecular characterization of AtNAM: a member of the Arabidopsis NAC domain superfamily. <i>Plant Molecular Biology</i> , 2002, 50, 237-248.	3.9	288
7	<i>Arabidopsis</i> LEAFY COTYLEDON2 induces maturation traits and auxin activity: Implications for somatic embryogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3151-3156.	7.1	282
8	Dynamic DNA Methylation in Plant Growth and Development. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2144.	4.1	187
9	Robust Transcriptional Activation in Plants Using Multiplexed CRISPR-Act2.0 and mTALE-Act Systems. <i>Molecular Plant</i> , 2018, 11, 245-256.	8.3	179
10	Cellular Programming of Plant Gene Imprinting. <i>Cell</i> , 2008, 132, 735-744.	28.9	146
11	Similarity between soybean and <i>Arabidopsis</i> seed methylomes and loss of non-CG methylation does not affect seed development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9730-E9739.	7.1	111
12	Characterization and Subcellular Compartmentation of Recombinant 4-Hydroxyphenylpyruvate Dioxygenase from Arabidopsis in Transgenic Tobacco1. <i>Plant Physiology</i> , 1999, 119, 1507-1516.	4.8	94
13	A Consensus Map in Cultivated Hexaploid Oat Reveals Conserved Grass Synteny with Substantial Subgenome Rearrangement. <i>Plant Genome</i> , 2016, 9, plantgenome2015.10.0102.	2.8	85
14	MethylCoder: software pipeline for bisulfite-treated sequences. <i>Bioinformatics</i> , 2011, 27, 2435-2436.	4.1	76
15	The AAA-ATPase molecular chaperone Cdc48/p97 disassembles sumoylated centromeres, decondenses heterochromatin, and activates ribosomal RNA genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16166-16171.	7.1	74
16	Gene expression in the developing mouse retina by EST sequencing and microarray analysis. <i>Nucleic Acids Research</i> , 2001, 29, 4983-4993.	14.5	68
17	From flour to flower: how Polycomb group proteins influence multiple aspects of plant development. <i>Trends in Plant Science</i> , 2003, 8, 439-445.	8.8	68
18	BIOLOGY OF CHROMATIN DYNAMICS. <i>Annual Review of Plant Biology</i> , 2005, 56, 327-351.	18.7	63

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19	Endosperm gene imprinting and seed development. <i>Current Opinion in Genetics and Development</i> , 2007, 17, 480-485.	3.3	58
20	Comparative Methylome Analyses Identify Epigenetic Regulatory Loci of Human Brain Evolution. <i>Molecular Biology and Evolution</i> , 2016, 33, 2947-2959.	8.9	49
21	Identification of estrogen-induced genes downregulated by AhR agonists in MCF-7 breast cancer cells using suppression subtractive hybridization. <i>Gene</i> , 2001, 262, 207-214.	2.2	46
22	A naturally occurring conditional albino mutant in rice caused by defects in the plastid-localized OsABC18 transporter. <i>Plant Molecular Biology</i> , 2017, 94, 137-148.	3.9	31
23	Mutation in a putative glycosyltransferase-like gene causes programmed cell death and early leaf senescence in rice. <i>Rice</i> , 2019, 12, 7.	4.0	29
24	Heritable Epigenetic Variation and its Potential Applications for Crop Improvement. <i>Plant Breeding and Biotechnology</i> , 2013, 1, 307-319.	0.9	28
25	Rice OsPEX1, an extensin-like protein, affects lignin biosynthesis and plant growth. <i>Plant Molecular Biology</i> , 2019, 100, 151-161.	3.9	25
26	The catalytic core of DEMETER guides active DNA demethylation in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17563-17571.	7.1	23
27	Epigenetic modification of ESP, encoding a putative long noncoding RNA, affects panicle architecture in rice. <i>Rice</i> , 2019, 12, 20.	4.0	18
28	Epigenetics Regulates Reproductive Development in Plants. <i>Plants</i> , 2019, 8, 564.	3.5	18
29	FIE, a nuclear PRC2 protein, forms cytoplasmic complexes in <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2016, 67, 6111-6123.	4.8	16
30	Identification of mixed linkage β -glucan quantitative trait loci and evaluation of <i>AsCslF6</i> homoeologs in hexaploid oat. <i>Crop Science</i> , 2020, 60, 914-933.	1.8	16
31	Control of Paternally Expressed Imprinted UPWARD CURLY LEAF1, a Gene Encoding an F-Box Protein That Regulates CURLY LEAF Polycomb Protein, in the <i>Arabidopsis</i> Endosperm. <i>PLoS ONE</i> , 2015, 10, e0117431.	2.5	6
32	Comparative Phylogenomic Analysis Reveals Evolutionary Genomic Changes and Novel Toxin Families in Endophytic <i>Liberibacter</i> Pathogens. <i>Microbiology Spectrum</i> , 2021, 9, e0050921.	3.0	6
33	Sexual and Non-sexual Reproduction. <i>Advances in Botanical Research</i> , 2018, 88, 117-163.	1.1	4
34	Whole-Genome DNA Methylation Profiling with Nucleotide Resolution. <i>Methods in Molecular Biology</i> , 2015, 1284, 27-40.	0.9	4
35	Epigenetics: A tug of war for DNA methylation. <i>Nature Plants</i> , 2016, 2, 16171.	9.3	3
36	Admixture of divergent genomes facilitates hybridization across species in the family Brassicaceae. <i>New Phytologist</i> , 2022, 235, 743-758.	7.3	3

#	ARTICLE	IF	CITATIONS
37	Genomic Analysis of Arabidopsis Gene Expression in Response to a Systemic Fungicide. , 2003, , .		2
38	Genomic Imprinting in Arabidopsis thaliana and Zea mays. , 2007, , 219-239.		1
39	Epigenetic Reprogramming During Plant Reproduction. RNA Technologies, 2017, , 405-425.	0.3	1
40	Patenting Applied to Genetic Sequence Information. Biotechnology and Genetic Engineering Reviews, 2006, 23, 317-330.	6.2	0
41	Epigenetic remodeling by DNA glycosylases during rice reproduction. Molecular Plant, 2021, 14, 1433-1435.	8.3	0