Chao-Ting Wu

List of Publications by Year
in descending order

50	5,256	159585 30	243625 44
papers	citations	h-index	g-index

58	58	58	5321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Super-resolution imaging reveals distinct chromatin folding for different epigenetic states. Nature, 2016, 529, 418-422.	27.8	750
2	Stabilization of Chromatin Structure by PRC1, a Polycomb Complex. Cell, 1999, 98, 37-46.	28.9	735
3	Spatial organization of chromatin domains and compartments in single chromosomes. Science, 2016, 353, 598-602.	12.6	534
4	Versatile design and synthesis platform for visualizing genomes with Oligopaint FISH probes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21301-21306.	7.1	383
5	Single-molecule super-resolution imaging of chromosomes and in situ haplotype visualization using Oligopaint FISH probes. Nature Communications, 2015, 6, 7147.	12.8	329
6	Walking along chromosomes with super-resolution imaging, contact maps, and integrative modeling. PLoS Genetics, 2018, 14, e1007872.	3.5	209
7	OligoMiner provides a rapid, flexible environment for the design of genome-scale oligonucleotide in situ hybridization probes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2183-E2192.	7.1	168
8	Identification of Genes That Promote or Antagonize Somatic Homolog Pairing Using a High-Throughput FISHâ€“Based Screen. PLoS Genetics, 2012, 8, e1002667.	3.5	144
9	INTERACTIONS OF ZESTE MUTATIONS WITH LOCI EXHIBITING TRANSVECTION EFFECTS IN DROSOPHILA MELANOGASTER. Genetics, 1982, 102, 179-189.	2.9	136
10	Transvection and other homology effects. Current Opinion in Genetics and Development, 1999, 9, 237-246.	3.3	131
11	The Drosophila zeste gene and transvection. Trends in Genetics, 1989, 5, 189-194.	6.7	126
12	Islands of retroelements are major components of Drosophila centromeres. PLoS Biology, 2019, 17, e3000241.	5.6	124
13	Homeosis and the interaction of zeste and white in Drosophila. Molecular Genetics and Genomics, 1989, 218, 559-564.	2.4	117
14	Mammalian ultraconserved elements are strongly depleted among segmental duplications and copy number variants. Nature Genetics, 2006, 38, 1216-1220.	21.4	105
15	3D mapping and accelerated super-resolution imaging of the human genome using in situ sequencing. Nature Methods, 2020, 17, 822-832.	19.0	99
16	Genes with monoallelic expression contribute disproportionately to genetic diversity in humans. Nature Genetics, 2016, 48, 231-237.	21.4	83
17	Scalable amplification of strand subsets from chip-synthesized oligonucleotide libraries. Nature Communications, 2015, 6, 8634.	12.8	80
18	Pairing and anti-pairing: a balancing act in the diploid genome. Current Opinion in Genetics and Development, 2016, 37, 119-128.	3.3	76

#	Article	IF	Citations
19	Analysis of a Polycomb Group Protein Defines Regions That Link Repressive Activity on Nucleosomal Templates to In Vivo Function. Molecular and Cellular Biology, 2005, 25, 6578-6591.	2.3	72
20	In Situ Super-Resolution Imaging of Genomic DNA with OligoSTORM and OligoDNA-PAINT. Methods in Molecular Biology, 2017, 1663, 231-252.	0.9	69
21	Germline Progenitors Escape the Widespread Phenomenon of Homolog Pairing during Drosophila Development. PLoS Genetics, 2013, 9, e1004013.	3.5	68
22	Disruption of Topoisomerase II Perturbs Pairing in Drosophila Cell Culture. Genetics, 2007, 177, 31-46.	2.9	58
23	Transcription-mediated supercoiling regulates genome folding and loop formation. Molecular Cell, 2021, 81, 3065-3081.e12.	9.7	57
24	Enhancer action in trans is permitted throughout theDrosophilagenome. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3723-3728.	7.1	55
25	Visualizing Genomes with Oligopaint FISH Probes. Current Protocols in Molecular Biology, 2014, 105, Unit 14.23..	2.9	55
26	Highly structured homolog pairing reflects functional organization of the Drosophila genome. Nature Communications, 2019, 10, 4485.	12.8	51
27	An Analysis of Transvection at the yellow Locus of Drosophila melanogaster. Genetics, 1999, 151, 633-651.	2.9	51
28	Enhancerâ€“Promoter Communication at the yellow Gene of Drosophila melanogaster: Diverse Promoters Participate in and Regulate trans Interactions. Genetics, 2006, 174, 1867-1880.	2.9	38
29	Allelic Imbalance Is a Prevalent and Tissue-Specific Feature of the Mouse Transcriptome. Genetics, 2015, 200, 537-549.	2.9	38
30	The genome-wide multi-layered architecture of chromosome pairing in early Drosophila embryos. Nature Communications, 2019, 10, 4486.	12.8	38
31	Ultraconserved Elements: Analyses of Dosage Sensitivity, Motifs and Boundaries. Genetics, 2008, 180, 2277-2293.	2.9	37
32	Enhancer Choice in Cis and in Trans in Drosophila melanogaster. Genetics, 2004, 167, 1739-1747.	2.9	36
33	Pericentromeric heterochromatin is hierarchically organized and spatially contacts H3K9me2 islands in euchromatin. PLoS Genetics, 2020, 16, e1008673.	3.5	32
34	A Genomewide Survey Argues That Every Zygotic Gene Product Is Dispensable for the Initiation of Somatic Homolog Pairing in Drosophila. Genetics, 2008, 180, 1329-1342.	2.9	22
35	Abnormal Dosage of Ultraconserved Elements Is Highly Disfavored in Healthy Cells but Not Cancer Cells. PLoS Genetics, 2014, 10, e1004646.	3.5	22
36	Investigating the Interplay between Sister Chromatid Cohesion and Homolog Pairing in Drosophila Nuclei. PLoS Genetics, 2016, 12, e1006169.	3.5	21

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37	Ultraconserved Elements Occupy Specific Arenas of Three-Dimensional Mammalian Genome Organization. Cell Reports, 2018, 24, 479-488.	6.4	21
38	Effects of Chromosomal Rearrangements on Transvection at the yellow Gene of Drosophila melanogaster. Genetics, 2009, 183, 483-496.	2.9	13
39	Molecular Genetic Analysis of Suppressor 2 of zeste Identifies Key Functional Domains. Genetics, 2009, 182, 999-1013.	2.9	12
40	Restoration of Topoisomerase 2 Function by Complementation of Defective Monomers in Drosophila. Genetics, 2012, 192, 843-856.	2.9	11
41	Combined in vitro transcription and reverse transcription to amplify and label complex synthetic oligonucleotide probe libraries. BioTechniques, 2015, 58, 301-307.	1.8	10
42	DNA replication and models for the origin of piRNAs. BioEssays, 2007, 29, 382-385.	2.5	9
43	Does Random X-Inactivation in Mammals Reflect a Random Choice Between Two X Chromosomes?. Genetics, 2004, 167, 1525-1528.	2.9	8
44	An Unexpected Regulatory Cascade Governs a Core Function of the Drosophila PRC1 Chromatin Protein Su(z)2. Genetics, 2017, 205, 551-558.	2.9	2
45	Paircounting. Trends in Genetics, 2019, 35, 787-790.	6.7	0
46	CHARACTERIZATION OF A NEW TISSUE-SPECIFIC MUTATION OF THE YELLOW GENE WHICH SUPPORTS TRANSVECTION. , 2001, , 195-202.		0
47	Title is missing!. , 2020, 16, e1008673.		0
48	Title is missing!. , 2020, 16, e1008673.		0
49	Title is missing!. , 2020, 16, e1008673.		0
50	Title is missing!. , 2020, 16, e1008673.		0