Chao-Ting Wu

List of Publications by Year
in descending order

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

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

#	Article	IF	Citations
1	Transcription-mediated supercoiling regulates genome folding and loop formation. Molecular Cell, 2021, 81, 3065-3081.e12.	9.7	57
2	3D mapping and accelerated super-resolution imaging of the human genome using in situ sequencing. Nature Methods, 2020, 17, 822-832.	19.0	99
3	Pericentromeric heterochromatin is hierarchically organized and spatially contacts H3K9me2 islands in euchromatin. PLoS Genetics, 2020, 16, e1008673.	3.5	32
4	Title is missing!. , 2020, 16, e1008673.		0
5	Title is missing!. , 2020, 16, e1008673.		0
6	Title is missing!. , 2020, 16, e1008673.		0
7	Title is missing!. , 2020, 16, e1008673.		0
8	The genome-wide multi-layered architecture of chromosome pairing in early Drosophila embryos. Nature Communications, 2019, 10, 4486.	12.8	38
9	Paircounting. Trends in Genetics, 2019, 35, 787-790.	6.7	0
10	Highly structured homolog pairing reflects functional organization of the Drosophila genome. Nature Communications, 2019, 10, 4485.	12.8	51
11	Islands of retroelements are major components of Drosophila centromeres. PLoS Biology, 2019, 17, e3000241.	5.6	124
12	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
13	Walking along chromosomes with super-resolution imaging, contact maps, and integrative modeling. PLoS Genetics, 2018, 14, e1007872.	3.5	209
14	Ultraconserved Elements Occupy Specific Arenas of Three-Dimensional Mammalian Genome Organization. Cell Reports, 2018, 24, 479-488.	6.4	21
15	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
16	In Situ Super-Resolution Imaging of Genomic DNA with OligoSTORM and OligoDNA-PAINT. Methods in Molecular Biology, 2017, 1663, 231-252.	0.9	69
17	Investigating the Interplay between Sister Chromatid Cohesion and Homolog Pairing in Drosophila Nuclei. PLoS Genetics, 2016, 12, e1006169.	3.5	21
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	Spatial organization of chromatin domains and compartments in single chromosomes. Science, 2016, 353, 598-602.	12.6	534
20	Genes with monoallelic expression contribute disproportionately to genetic diversity in humans. Nature Genetics, 2016, 48, 231-237.	21.4	83
21	Super-resolution imaging reveals distinct chromatin folding for different epigenetic states. Nature, 2016, 529, 418-422.	27.8	750
22	Scalable amplification of strand subsets from chip-synthesized oligonucleotide libraries. Nature Communications, 2015, 6, 8634.	12.8	80
23	Combined in vitro transcription and reverse transcription to amplify and label complex synthetic oligonucleotide probe libraries. BioTechniques, 2015, 58, 301-307.	1.8	10
24	Allelic Imbalance Is a Prevalent and Tissue-Specific Feature of the Mouse Transcriptome. Genetics, 2015, 200, 537-549.	2.9	38
25	Single-molecule super-resolution imaging of chromosomes and in situ haplotype visualization using Oligopaint FISH probes. Nature Communications, 2015, 6, 7147.	12.8	329
26	Abnormal Dosage of Ultraconserved Elements Is Highly Disfavored in Healthy Cells but Not Cancer Cells. PLoS Genetics, 2014, 10, e1004646.	3.5	22
27	Visualizing Genomes with Oligopaint FISH Probes. Current Protocols in Molecular Biology, 2014, 105, Unit 14.23..	2.9	55
28	Germline Progenitors Escape the Widespread Phenomenon of Homolog Pairing during Drosophila Development. PLoS Genetics, 2013, 9, e1004013.	3.5	68
29	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
30	Restoration of Topoisomerase 2 Function by Complementation of Defective Monomers in <i>Drosophila</i>. Genetics, 2012, 192, 843-856.	2.9	11
31	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
32	Molecular Genetic Analysis of <i>Suppressor 2 of zeste</i> Identifies Key Functional Domains. Genetics, 2009, 182, 999-1013.	2.9	12
33	Effects of Chromosomal Rearrangements on Transvection at the yellow Gene of Drosophila melanogaster. Genetics, 2009, 183, 483-496.	2.9	13
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	Ultraconserved Elements: Analyses of Dosage Sensitivity, Motifs and Boundaries. Genetics, 2008, 180, 2277-2293.	2.9	37
36	Disruption of Topoisomerase II Perturbs Pairing in Drosophila Cell Culture. Genetics, 2007, 177, 31-46.	2.9	58

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37	DNA replication and models for the origin of piRNAs. BioEssays, 2007, 29, 382-385.	2.5	9
38	Mammalian ultraconserved elements are strongly depleted among segmental duplications and copy number variants. Nature Genetics, 2006, 38, 1216-1220.	21.4	105
39	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
40	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
41	Enhancer Choice in Cis and in Trans in Drosophila melanogaster. Genetics, 2004, 167, 1739-1747.	2.9	36
42	Does Random X-Inactivation in Mammals Reflect a Random Choice Between Two X Chromosomes?. Genetics, 2004, 167, 1525-1528.	2.9	8
43	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
44	CHARACTERIZATION OF A NEW TISSUE-SPECIFIC MUTATION OF THE YELLOW GENE WHICH SUPPORTS TRANSVECTION. , 2001, , 195-202.		0
45	Transvection and other homology effects. Current Opinion in Genetics and Development, 1999, 9, 237-246.	3.3	131
46	Stabilization of Chromatin Structure by PRC1, a Polycomb Complex. Cell, 1999, 98, 37-46.	28.9	735
47	An Analysis of Transvection at the yellow Locus of Drosophila melanogaster. Genetics, 1999, 151, 633-651.	2.9	51
48	The Drosophila zeste gene and transvection. Trends in Genetics, 1989, 5, 189-194.	6.7	126
49	Homeosis and the interaction of zeste and white in Drosophila. Molecular Genetics and Genomics, 1989, 218, 559-564.	2.4	117
50	INTERACTIONS OF ZESTE MUTATIONS WITH LOCI EXHIBITING TRANSVECTION EFFECTS IN <i>DROSOPHILA MELANOGASTER</i>. Genetics, 1982, 102, 179-189.	2.9	136