

Chung-I Wu

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

6,308
citations

257450

24
h-index

98798

67
g-index

71
all docs

71
docs citations

71
times ranked

8431
citing authors

#	ARTICLE	IF	CITATIONS
1	Hitchhiking Under Positive Darwinian Selection. <i>Genetics</i> , 2000, 155, 1405-1413.	2.9	1,602
2	The genic view of the process of speciation. <i>Journal of Evolutionary Biology</i> , 2001, 14, 851-865.	1.7	1,092
3	Positive and Negative Selection on the Human Genome. <i>Genetics</i> , 2001, 158, 1227-1234.	2.9	565
4	Genes and speciation. <i>Nature Reviews Genetics</i> , 2004, 5, 114-122.	16.8	456
5	Extremely high genetic diversity in a single tumor points to prevalence of non-Darwinian cell evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6496-505.	7.1	313
6	Classifying the evolutionary and ecological features of neoplasms. <i>Nature Reviews Cancer</i> , 2017, 17, 605-619.	28.4	303
7	Out of southern East Asia: the natural history of domestic dogs across the world. <i>Cell Research</i> , 2016, 26, 21-33.	12.0	271
8	Evolution under canalization and the dual roles of microRNAsâ€”A hypothesis. <i>Genome Research</i> , 2009, 19, 734-743.	5.5	160
9	Genetic Convergence in the Adaptation of Dogs and Humans to the High-Altitude Environment of the Tibetan Plateau. <i>Genome Biology and Evolution</i> , 2014, 6, 2122-2128.	2.5	146
10	The origin, diversification and adaptation of a major mangrove clade (Rhizophoreae) revealed by whole-genome sequencing. <i>National Science Review</i> , 2017, 4, 721-734.	9.5	118
11	Speciation with gene flow via cycles of isolation and migration: insights from multiple mangrove taxa. <i>National Science Review</i> , 2019, 6, 275-288.	9.5	97
12	INCIPIENT SPECIATION BY SEXUAL ISOLATION IN <i>DROSOPHILA MELANOGASTER</i> : VARIATION IN MATING PREFERENCE AND CORRELATION BETWEEN SEXES. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1175-1181.	2.3	95
13	The Ecology and Evolution of Cancer: The Ultra-Microevolutionary Process. <i>Annual Review of Genetics</i> , 2016, 50, 347-369.	7.6	86
14	A test of reciprocal Xâ€”Y interactions as a cause of hybrid sterility in <i>Drosophila</i> . <i>Nature</i> , 1992, 358, 751-753.	27.8	74
15	New MicroRNAs in <i>Drosophila</i> â€”Birth, Death and Cycles of Adaptive Evolution. <i>PLoS Genetics</i> , 2014, 10, e1004096.	3.5	53
16	Comment on "Chromosomal Speciation and Molecular Divergence-Accelerated Evolution in Rearranged Chromosomes". <i>Science</i> , 2003, 302, 988-988.	12.6	44
17	Genome-Wide Convergence during Evolution of Mangroves from Woody Plants. <i>Molecular Biology and Evolution</i> , 2017, 34, msw277.	8.9	43
18	Can genomic data alone tell us whether speciation happened with gene flow?. <i>Molecular Ecology</i> , 2017, 26, 2845-2849.	3.9	43

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19	Functional Conservation of Both CDS- and 3'UTR-Located MicroRNA Binding Sites between Species. <i>Molecular Biology and Evolution</i> , 2015, 32, 623-628.	8.9	42
20	Evolution of coastal forests based on a full set of mangrove genomes. <i>Nature Ecology and Evolution</i> , 2022, 6, 738-749.	7.8	41
21	Redundant and incoherent regulations of multiple phenotypes suggest microRNAs' role in stability control. <i>Genome Research</i> , 2017, 27, 1665-1673.	5.5	40
22	On the low reproducibility of cancer studies. <i>National Science Review</i> , 2018, 5, 619-624.	9.5	38
23	Genes and speciation: is it time to abandon the biological species concept?. <i>National Science Review</i> , 2020, 7, 1387-1397.	9.5	34
24	Free-living human cells reconfigure their chromosomes in the evolution back to uni-cellularity. <i>ELife</i> , 2017, 6, .	6.0	31
25	Weak Regulation of Many Targets Is Cumulatively Powerful—An Evolutionary Perspective on microRNA Functionality. <i>Molecular Biology and Evolution</i> , 2017, 34, 3041-3046.	8.9	28
26	Reply to "Evolutionary flux of canonical microRNAs and mirtrons in <i>Drosophila</i> ". <i>Nature Genetics</i> , 2010, 42, 9-10.	21.4	27
27	On the founder effect in COVID-19 outbreaks: how many infected travelers may have started them all?. <i>National Science Review</i> , 2021, 8, nwaa246.	9.5	27
28	Reminder to deposit DNA sequences. <i>Science</i> , 2016, 352, 780-780.	12.6	24
29	Genes and speciation. <i>Journal of Evolutionary Biology</i> , 2001, 14, 889-891.	1.7	23
30	The twin-beginnings of COVID-19 in Asia and Europe—one prevails quickly. <i>National Science Review</i> , 2022, 9, nwab223.	9.5	22
31	Ultrasensitive and high-efficiency screen of de novo low-frequency mutations by o2n-seq. <i>Nature Communications</i> , 2017, 8, 15335.	12.8	20
32	Small RNA transcriptomes of mangroves evolve adaptively in extreme environments. <i>Scientific Reports</i> , 2016, 6, 27551.	3.3	18
33	A theoretical exploration of the origin and early evolution of a pandemic. <i>Science Bulletin</i> , 2021, 66, 1022-1029.	9.0	18
34	On the origin of SARS-CoV-2—The blind watchmaker argument. <i>Science China Life Sciences</i> , 2021, 64, 1560-1563.	4.9	18
35	A New Formulation of Random Genetic Drift and Its Application to the Evolution of Cell Populations. <i>Molecular Biology and Evolution</i> , 2017, 34, 2057-2064.	8.9	17
36	Tumorigenesis as the Paradigm of Quasi-neutral Molecular Evolution. <i>Molecular Biology and Evolution</i> , 2019, 36, 1430-1441.	8.9	17

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37	PROPER CONTROL OF GENETIC BACKGROUND WITH PRECISE ALLELE SUBSTITUTION: A COMMENT ON COYNE AND ELWYN. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 623-625.	2.3	16
38	The Genotypeâ€“Phenotype Relationships in the Light of Natural Selection. <i>Molecular Biology and Evolution</i> , 2018, 35, 525-542.	8.9	16
39	Molecular Evolution in Large Stepsâ€“Codon Substitutions under Positive Selection. <i>Molecular Biology and Evolution</i> , 2019, 36, 1862-1873.	8.9	16
40	The heterogeneity of plasma miRNA profiles in hepatocellular carcinoma patients and the exploration of diagnostic circulating miRNAs for hepatocellular carcinoma. <i>PLoS ONE</i> , 2019, 14, e0211581.	2.5	15
41	The Runaway Evolution of SARS-CoV-2 Leading to the Highly Evolved Delta Strain. <i>Molecular Biology and Evolution</i> , 2022, 39, .	8.9	14
42	Regulation of Large Number of Weak Targetsâ€“New Insights from Twin-microRNAs. <i>Genome Biology and Evolution</i> , 2018, 10, 1255-1264.	2.5	13
43	A case for conservation. <i>Nature</i> , 2004, 428, 213-214.	27.8	12
44	Ultra-precise detection of mutations by droplet-based amplification of circularized DNA. <i>BMC Genomics</i> , 2016, 17, 214.	2.8	11
45	Death of new microRNA genes in <i>Drosophila</i> via gradual loss of fitness advantages. <i>Genome Research</i> , 2018, 28, 1309-1318.	5.5	11
46	Using ultra-sensitive next generation sequencing to dissect DNA damage-induced mutagenesis. <i>Scientific Reports</i> , 2016, 6, 25310.	3.3	10
47	Molecular Evolution in Small Steps under Prevailing Negative Selection: A Nearly Universal Rule of Codon Substitution. <i>Genome Biology and Evolution</i> , 2019, 11, 2702-2712.	2.5	10
48	Mutations Beget More Mutationsâ€“Rapid Evolution of Mutation Rate in Response to the Risk of Runaway Accumulation. <i>Molecular Biology and Evolution</i> , 2020, 37, 1007-1019.	8.9	10
49	Two decades of suspect evidence for adaptive molecular evolutionâ€“negative selection confounding positive-selection signals. <i>National Science Review</i> , 2022, 9, .	9.5	10
50	A Direct Test of Selection in Cell Populations Using the Diversity in Gene Expression within Tumors. <i>Molecular Biology and Evolution</i> , 2017, 34, 1730-1742.	8.9	9
51	Direct measurement of pervasive weak repression by microRNAs and their role at the network level. <i>BMC Genomics</i> , 2018, 19, 362.	2.8	9
52	A proposal for clinical trials of COVID-19 treatment using homo-harringtonine. <i>National Science Review</i> , 2021, 8, nwaa257.	9.5	9
53	Genetic Complexity Underlying Hybrid Male Sterility in <i>Drosophila</i> . <i>Genetics</i> , 2004, 166, 789-796.	2.9	8
54	Modeling Linkage Disequilibrium Between a Polymorphic Marker Locus and a Locus Affecting Complex Dichotomous Traits in Natural Populations. <i>Genetics</i> , 2001, 158, 1785-1800.	2.9	8

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55	Heightened protein-translation activities in mammalian cells and the disease/treatment implications. National Science Review, 2020, 7, 1851-1855.	9.5	7
56	Homo-harringtonine, highly effective against coronaviruses, is safe in treating COVID-19 by nebulization. Science China Life Sciences, 2022, 65, 1263-1266.	4.9	7
57	On the possibility of death of new genes “evidence from the deletion of de novo microRNAs. BMC Genomics, 2018, 19, 388.	2.8	6
58	siRNAs with decreased off-target effect facilitate the identification of essential genes in cancer cells. Oncotarget, 2015, 6, 21603-21613.	1.8	6
59	Now blows the east wind. Nature, 1996, 380, 105-107.	27.8	4
60	Replies to the commentaries on the question of “Is it time to abandon the biological species concept?”. National Science Review, 2020, 7, 1407-1409.	9.5	4
61	Convergent adaptive evolution—how common, or how rare?. National Science Review, 2020, 7, 945-946.	9.5	4
62	Weak Regulation of Many Targets Is Cumulatively Powerful—A Reply to Seitz on microRNA Functionality. Molecular Biology and Evolution, 2019, 36, 1598-1599.	8.9	3
63	What went wrong in science publishing?. National Science Review, 2017, 4, 518-519.	9.5	2
64	Small Segmental Duplications in <i>Drosophila</i> —High Rate of Emergence and Elimination. Genome Biology and Evolution, 2019, 11, 486-496.	2.5	1
65	Genomic sequencing identifies a few mutations driving the independent origin of primary liver tumors in a chronic hepatitis murine model. PLoS ONE, 2017, 12, e0187551.	2.5	1