

Melissa A Wilson Sayres

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

2,688
citations

279798

23
h-index

223800

46
g-index

95
all docs

95
docs citations

95
times ranked

4758
citing authors

#	ARTICLE	IF	CITATIONS
1	A recent bottleneck of Y chromosome diversity coincides with a global change in culture. <i>Genome Research</i> , 2015, 25, 459-466.	5.5	348
2	137 ancient human genomes from across the Eurasian steppes. <i>Nature</i> , 2018, 557, 369-374.	27.8	325
3	Punctuated bursts in human male demography inferred from 1,244 worldwide Y-chromosome sequences. <i>Nature Genetics</i> , 2016, 48, 593-599.	21.4	273
4	Genome analyses substantiate male mutation bias in many species. <i>BioEssays</i> , 2011, 33, 938-945.	2.5	106
5	Genetic Diversity on the Sex Chromosomes. <i>Genome Biology and Evolution</i> , 2018, 10, 1064-1078.	2.5	96
6	Bioinformatics core competencies for undergraduate life sciences education. <i>PLoS ONE</i> , 2018, 13, e0196878.	2.5	93
7	High-throughput sequencing of SARS-CoV-2 in wastewater provides insights into circulating variants. <i>Water Research</i> , 2021, 205, 117710.	11.3	93
8	Natural Selection Reduced Diversity on Human Y Chromosomes. <i>PLoS Genetics</i> , 2014, 10, e1004064.	3.5	91
9	DO VARIATIONS IN SUBSTITUTION RATES AND MALE MUTATION BIAS CORRELATE WITH LIFE-HISTORY TRAITS? A STUDY OF 32 MAMMALIAN GENOMES. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 2800-2815.	2.3	88
10	The Pregnancy Pickle: Evolved Immune Compensation Due to Pregnancy Underlies Sex Differences in Human Diseases. <i>Trends in Genetics</i> , 2019, 35, 478-488.	6.7	85
11	Evolution and Survival on Eutherian Sex Chromosomes. <i>PLoS Genetics</i> , 2009, 5, e1000568.	3.5	74
12	Genomic Analyses of Sex Chromosome Evolution. <i>Annual Review of Genomics and Human Genetics</i> , 2009, 10, 333-354.	6.2	70
13	The neoepitope landscape of breast cancer: implications for immunotherapy. <i>BMC Cancer</i> , 2019, 19, 200.	2.6	68
14	Gene Survival and Death on the Human Y Chromosome. <i>Molecular Biology and Evolution</i> , 2013, 30, 781-787.	8.9	67
15	Identifying, understanding, and correcting technical artifacts on the sex chromosomes in next-generation sequencing data. <i>GigaScience</i> , 2019, 8, .	6.4	65
16	Human Papilloma Virus Specific Immunogenicity and Dysfunction of CD8+ T Cells in Head and Neck Cancer. <i>Cancer Research</i> , 2018, 78, 6159-6170.	0.9	61
17	The association of genomic lesions and PD-1/PD-L1 expression in resected triple-negative breast cancers. <i>Breast Cancer Research</i> , 2018, 20, 71.	5.0	55
18	Genetic Diversity on the Human X Chromosome Does Not Support a Strict Pseudoautosomal Boundary. <i>Genetics</i> , 2016, 203, 485-492.	2.9	50

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19	Comparative Genomics Reveals Accelerated Evolution in Conserved Pathways during the Diversification of Anole Lizards. <i>Genome Biology and Evolution</i> , 2018, 10, 489-506.	2.5	43
20	Detecting Evolutionary Strata on the Human X Chromosome in the Absence of Gametologous Y-Linked Sequences. <i>Genome Biology and Evolution</i> , 2013, 5, 1863-1871.	2.5	40
21	Barriers to integration of bioinformatics into undergraduate life sciences education: A national study of US life sciences faculty uncover significant barriers to integrating bioinformatics into undergraduate instruction. <i>PLoS ONE</i> , 2019, 14, e0224288.	2.5	40
22	Distinct molecular etiologies of male and female hepatocellular carcinoma. <i>BMC Cancer</i> , 2019, 19, 951.	2.6	36
23	Genomic signatures of sex-biased demography: progress and prospects. <i>Current Opinion in Genetics and Development</i> , 2016, 41, 62-71.	3.3	34
24	Evolution of dosage compensation in <i>Anolis carolinensis</i> , a reptile with XX/XY chromosomal sex determination. <i>Genome Biology and Evolution</i> , 2016, 9, evw263.	2.5	32
25	Reference genome and transcriptome informed by the sex chromosome complement of the sample increase ability to detect sex differences in gene expression from RNA-Seq data. <i>Biology of Sex Differences</i> , 2020, 11, 42.	4.1	31
26	Sex differences in health and disease: A review of biological sex differences relevant to cancer with a spotlight on glioma. <i>Cancer Letters</i> , 2021, 498, 178-187.	7.2	30
27	Virus Discovery in Desert Tortoise Fecal Samples: Novel Circular Single-Stranded DNA Viruses. <i>Viruses</i> , 2020, 12, 143.	3.3	26
28	Cancer Neoantigens: Challenges and Future Directions for Prediction, Prioritization, and Validation. <i>Frontiers in Oncology</i> , 2022, 12, 836821.	2.8	20
29	The Y chromosome and its impact on health and disease. <i>Human Molecular Genetics</i> , 2021, 30, R296-R300.	2.9	17
30	Novel Mechanisms of Cancer Emerge When Accounting for Sex as a Biological Variable. <i>Cancer Research</i> , 2020, 80, 27-29.	0.9	16
31	Environmental enrichment during forced abstinence from cocaine self-administration opposes gene network expression changes associated with the incubation effect. <i>Scientific Reports</i> , 2020, 10, 11291.	3.3	13
32	Genomic skimming and nanopore sequencing uncover cryptic hybridization in one of world's most threatened primates. <i>Scientific Reports</i> , 2021, 11, 17279.	3.3	13
33	Shared Gene Expression and Immune Pathway Changes Associated with Progression from Nevi to Melanoma. <i>Cancers</i> , 2022, 14, 3.	3.7	13
34	Representing sex chromosomes in genome assemblies. <i>Cell Genomics</i> , 2022, 2, 100132.	6.5	13
35	The synthetic histone-binding regulator protein PcTF activates interferon genes in breast cancer cells. <i>BMC Systems Biology</i> , 2018, 12, 83.	3.0	10
36	Neoantigen Fitness Model Predicts Lower Immune Recognition of Cutaneous Squamous Cell Carcinomas Than Actinic Keratoses. <i>Frontiers in Immunology</i> , 2019, 10, 2799.	4.8	9

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37	X chromosome inactivation in the human placenta is patchy and distinct from adult tissues. <i>Human Genetics and Genomics Advances</i> , 2022, 3, 100121.	1.7	9
38	Discovery of a New TLR Gene and Gene Expansion Event through Improved Desert Tortoise Genome Assembly with Chromosome-Scale Scaffolds. <i>Genome Biology and Evolution</i> , 2020, 12, 3917-3925.	2.5	8
39	Widespread choroid plexus contamination in sampling and profiling of brain tissue. <i>Molecular Psychiatry</i> , 2022, 27, 1839-1847.	7.9	7
40	Complex patterns of sex-biased demography in canines. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20181976.	2.6	6
41	Genome Sequences of Microviruses Identified in Gila Monster Feces. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.6	6
42	Crowdfunding science. <i>Genome Biology</i> , 2019, 20, 250.	8.8	5
43	March Mammal Madness and the power of narrative in science outreach. <i>ELife</i> , 2021, 10, .	6.0	5
44	microRNA regulation related to the protective effects of environmental enrichment against cocaine-seeking behavior. <i>Drug and Alcohol Dependence</i> , 2021, 221, 108585.	3.2	5
45	Urine as a high-quality source of host genomic DNA from wild populations. <i>Molecular Ecology Resources</i> , 2021, 21, 170-182.	4.8	5
46	Variable Autosomal and X Divergence Near and Far from Genes Affects Estimates of Male Mutation Bias in Great Apes. <i>Genome Biology and Evolution</i> , 2016, 8, 3393-3405.	2.5	4
47	Genome Sequence of a Single-Stranded DNA Virus Identified in Gila Monster Feces. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	4
48	Searching for sex differences. <i>Science</i> , 2020, 369, 1298-1299.	12.6	4
49	NeoScore Integrates Characteristics of the Neoantigen:MHC Class I Interaction and Expression to Accurately Prioritize Immunogenic Neoantigens. <i>Journal of Immunology</i> , 2022, 208, 1813-1827.	0.8	4
50	Unique genomic and neoepitope landscapes across tumors: a study across time, tissues, and space within a single lynch syndrome patient. <i>Scientific Reports</i> , 2020, 10, 12190.	3.3	3
51	Genie: an interactive real-time simulation for teaching genetic drift. <i>Evolution: Education and Outreach</i> , 2022, 15, .	0.8	3
52	Fruitful analysis of sex chromosomes reveals X-treme genetic diversity. <i>Genome Biology</i> , 2016, 17, 244.	8.8	2
53	PopInf: An Approach for Reproducibly Visualizing and Assigning Population Affiliation in Genomic Samples of Uncertain Origin. <i>Journal of Computational Biology</i> , 2021, 28, 296-303.	1.6	2
54	Lack of parent-of-origin effects in <i>Nasonia</i> jewel wasp: A replication and extension study. <i>PLoS ONE</i> , 2021, 16, e0252457.	2.5	2

#	ARTICLE	IF	CITATIONS
55	HGV2011: Personalized genomic medicine meets the incidentalome. <i>Human Mutation</i> , 2012, 33, 582-585.	2.5	1
56	Endogenous Retroviruses and the Pregnancy Compensation Hypothesis: A Reply to David. <i>Trends in Genetics</i> , 2020, 36, 2-3.	6.7	1
57	High GILT Expression Is Associated with Improved Survival in Metastatic Melanoma Patients Treated with Immune Checkpoint Inhibition. <i>Cancers</i> , 2022, 14, 2200.	3.7	1
58	EvSex16: Evolutionary Genomics of Sex. <i>Journal of Heredity</i> , 2017, 108, 707-708.	2.4	0
59	Evolution of Immune Sexual Dimorphism in Response to Placental Invasiveness: A Reply to Greenbaum and Greenbaum. <i>Trends in Genetics</i> , 2020, 36, 5-7.	6.7	0
60	Unique evolutionary trajectories of breast cancers with distinct genomic and spatial heterogeneity. <i>Scientific Reports</i> , 2021, 11, 10571.	3.3	0
61	Genomic analysis reveals geography rather than culture as the predominant factor shaping genetic variation in northern Kenyan human populations. <i>American Journal of Biological Anthropology</i> , 2022, 178, 488-503.	1.1	0
62	Title is missing!. , 2019, 14, e0224288.		0
63	Title is missing!. , 2019, 14, e0224288.		0
64	Title is missing!. , 2019, 14, e0224288.		0
65	Title is missing!. , 2019, 14, e0224288.		0