Megan Y Dennis

List of Publications by Year
in descending order

27	5,608	394421 19	526287 27
papers	citations	h-index	g-index

35	35	35	7632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The complete sequence of a human genome. Science, 2022, 376, 44-53.	12.6	1,222
2	Resolving the complexity of the human genome using single-molecule sequencing. Nature, 2015, 517, 608-611.	27.8	714
3	Psychedelics Promote Structural and Functional Neural Plasticity. Cell Reports, 2018, 23, 3170-3182.	6.4	566
4	Telomere-to-telomere assembly of a complete human X chromosome. Nature, 2020, 585, 79-84.	27.8	549
5	Evolution of Human-Specific Neural SRGAP2 Genes by Incomplete Segmental Duplication. Cell, 2012, 149, 912-922.	28.9	341
6	Refinement and Discovery of New Hotspots of Copy-Number Variation Associated with Autism Spectrum Disorder. American Journal of Human Genetics, 2013, 92, 221-237.	6.2	279
7	Reconstructing complex regions of genomes using long-read sequencing technology. Genome Research, 2014, 24, 688-696.	5.5	222
8	Balancing Selection Maintains a Form of ERAP2 that Undergoes Nonsense-Mediated Decay and Affects Antigen Presentation. PLoS Genetics, 2010, 6, e1001157.	3.5	210
9	Complete genomic and epigenetic maps of human centromeres. Science, 2022, 376, eabl4178.	12.6	204
10	Human adaptation and evolution by segmental duplication. Current Opinion in Genetics and Development, 2016, 41, 44-52.	3.3	157
11	A complete reference genome improves analysis of human genetic variation. Science, 2022, 376, eabl3533.	12.6	144
12	The evolution and population diversity of human-specific segmental duplications. Nature Ecology and Evolution, 2017, 1, 69.	7.8	123
13	Detection of structural variants and indels within exome data. Nature Methods, 2012, 9, 176-178.	19.0	109
14	Palindromic GOLGA8 core duplicons promote chromosome 15q13.3 microdeletion and evolutionary instability. Nature Genetics, 2014, 46, 1293-1302.	21.4	96
15	A Common Variant Associated with Dyslexia Reduces Expression of the KIAA0319 Gene. PLoS Genetics, 2009, 5, e1000436.	3.5	92
16	Selection on a Variant Associated with Improved Viral Clearance Drives Local, Adaptive Pseudogenization of Interferon Lambda 4 (IFNL4). PLoS Genetics, 2014, 10, e1004681.	3.5	87
17	Epigenetics of Autism-related Impairment. Journal of Developmental and Behavioral Pediatrics, 2015, 36, 61-67.	1.1	83
18	Human local adaptation of the TRPM8 cold receptor along a latitudinal cline. PLoS Genetics, 2018, 14, e1007298.	3.5	75

#	Article	IF	Citations
19	The birth of a human-specific neural gene by incomplete duplication and gene fusion. Genome Biology, 2017, 18, 49.	8.8	39
20	Single-cell strand sequencing of a macaque genome reveals multiple nested inversions and breakpoint reuse during primate evolution. Genome Research, 2020, 30, 1680-1693.	5.5	16
21	Identification of Structural Variation in Chimpanzees Using Optical Mapping and Nanopore Sequencing. Genes, 2020, 11, 276.	2.4	14
22	A Rare Myelin Protein Zero (MPZ) Variant Alters Enhancer Activity In Vitro and In Vivo. PLoS ONE, 2010, 5, e14346.	2.5	14
23	Evaluation of CRISPR gene-editing tools in zebrafish. BMC Genomics, 2022, 23, 12.	2.8	12
24	Diverse Molecular Mechanisms Contribute to Differential Expression of Human Duplicated Genes. Molecular Biology and Evolution, 2021, 38, 3060-3077.	8.9	11
25	Assessment of Autism Zebrafish Mutant Models Using a High-Throughput Larval Phenotyping Platform. Frontiers in Cell and Developmental Biology, 2020, 8, 586296.	3.7	10
26	Effects of pairing on color change and central gene expression in lined seahorses. Genes, Brain and Behavior, 2022, 21, .	2.2	8
27	RapID Cell Counter: Semi-automated and mid-throughput estimation of cell density within diverse cortical layers. ENeuro, 2021, 8, ENEURO.0185-21.2021.	1.9	6