Charles D Laird

List of Publications by Year
in descending order

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47 papers	3,327 citations	218381 26 h-index	233125 45 g-index
49 all docs	49 docs citations	49 times ranked	2052 citing authors

#	Article	IF	Citations
1	Rate of Fixation of Nucleotide Substitutions in Evolution. Nature, 1969, 224, 149-154.	13.7	522
2	Association of fragile X syndrome with delayed replication of the FMR1 gene. Cell, 1993, 73, 1403-1409.	13.5	239
3	Comparative organization of active transcription units in Oncopeltus fasciatus. Cell, 1976, 9, 131-146.	13.5	211
4	Hairpin-bisulfite PCR: Assessing epigenetic methylation patterns on complementary strands of individual DNA molecules. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 204-209.	3.3	203
5	Proposed Mechanism of Inheritance and Expression of the Human Fragile-X Syndrome of Mental Retardation. Genetics, 1987, 117, 587-599.	1.2	188
6	Escape from gene silencing in ICF syndrome: evidence for advanced replication time as a major determinant. Human Molecular Genetics, 2000, 9, 2575-2587.	1.4	135
7	Sequence diversity of polytene chromosome DNA from Drosophila hydei. Journal of Molecular Biology, 1971, 61, 615-627.	2.0	127
8	Increase in nuclear poly(A)-containing RNA at syncytial blastoderm in Drosophila melanogaster embryos. Developmental Biology, 1976, 52, 31-42.	0.9	120
9	Errors in the bisulfite conversion of DNA: modulating inappropriate- and failed-conversion frequencies. Nucleic Acids Research, 2008, 36, e150-e150.	6.5	118
10	MAGNITUDE OF INTERSPECIFIC NUCLEOTIDE SEQUENCE VARIABILITY IN DROSOPHILA. Genetics, 1968, 60, 303-322.	1.2	114
11	Analysis of chromatin-associated fiber arrays. Chromosoma, 1976, 58, 169-190.	1.0	106
12	Morphology of transcription units inDrosophila melanogaster. Chromosoma, 1976, 58, 193-218.	1.0	106
13	Chromosome structure and DNA replication in nurse and follicle cells of Drosophila melanogaster. Chromosoma, 1985, 91, 267-278.	1.0	104
14	MOLECULAR CHARACTERIZATION OF THE DROSOPHILA GENOME. Genetics, 1969, 63, 865-882.	1.2	98
15	Control of DNA replication and spatial distribution of defined DNA sequences in salivary gland cells of Drosophila melanogaster. Chromosoma, 1985, 91, 279-286.	1.0	82
16	A population-epigenetic model to infer site-specific methylation rates from double-stranded DNA methylation patterns. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5802-5807.	3.3	81
17	Molecular barcodes detect redundancy and contamination in hairpin-bisulfite PCR. Nucleic Acids Research, 2004, 32, e135-e135.	6.5	63
18	Structural paradox of polytene chromosomes. Cell, 1980, 22, 869-874.	13.5	61

#	Article	IF	Citations
19	Three euchromatic DNA sequences under-replicated in polytene chromosomes of Drosophila are localized in constrictions and ectopic fibers. Chromosoma, 1987, 95, 227-235.	1.0	60
20	Mitochondrial DNA from Drosophila melanogaster. Nucleic Acids and Protein Synthesis, 1973, 299, 196-209.	1.7	52
21	Proposed genetic basis of Huntington's disease. Trends in Genetics, 1990, 6, 242-247.	2.9	52
22	Hemimethylation and Non-CpG Methylation Levels in a Promoter Region of Human LINE-1 (L1) Repeated Elements. Journal of Biological Chemistry, 2005, 280, 14413-14419.	1.6	43
23	Dispersity of repeat DNA sequences in Oncopeltus fasciatus, an organism with diffuse centromeres. Chromosoma, 1973, 43, 349-373.	1.0	36
24	Diversity of RNA sequences in Drosophila melanogaster. Biochemical Genetics, 1973, 10, 263-274.	0.8	35
25	Encoding PCR Products with Batch-stamps and Barcodes. Biochemical Genetics, 2007, 45, 761-767.	0.8	35
26	Separation of cells at different times within G2 and mitosis by cyclin B1 flow cytometry. , 1997, 27, 250-254.		34
27	The size of poly(A)-containing RNAs in Drosophila melanogaster embryos. Biochemical Genetics, 1976, 14, 357-371.	0.8	28
28	Testing the FMR1 Promoter for Mosaicism in DNA Methylation among CpG Sites, Strands, and Cells in FMR1-Expressing Males with Fragile X Syndrome. PLoS ONE, 2011, 6, e23648.	1.1	28
29	Relationship between relative dry mass and average band width in regions of polytene chromosomes of Drosophila. Chromosoma, 1980, 76, 175-189.	1.0	25
30	Molecular properties of tunicate DNA. Nucleic Acids and Protein Synthesis, 1971, 240, 39-45.	1.7	22
31	Statistical inference of transmission fidelity of DNA methylation patterns over somatic cell divisions in mammals. Annals of Applied Statistics, 2010, 4, .	0.5	19
32	Fragile-X syndrome and myotonic dystrophy: parallels and paradoxes. Current Opinion in Genetics and Development, 1998, 8, 245-253.	1.5	18
33	Enrichment for submitotic cell populations using flow cytometry. , 2000, 39, 126-130.		17
34	Epigenetic memory via concordant DNA methylation is inversely correlated to developmental potential of mammalian cells. PLoS Genetics, 2017, 13, e1007060.	1.5	17
35	DNA and polyribosome-like structures in lysates of mitochondria of Drosophila melanogaster. Journal of Molecular Biology, 1976, 100, 493-518.	2.0	16
36	Possible Erasure of the Imprint on a Fragile X Chromosome When Transmitted by a Male. American Journal of Medical Genetics Part A, 1991, 38, 391-395.	2.4	14

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37	Sequence analysis of long FMR1 arrays in the Japanese population: insights into the generation of long (CGG) n tracts. Human Genetics, 1997, 101, 214-218.	1.8	14
38	Statistical Inference of In Vivo Properties of Human DNA Methyltransferases from Double-Stranded Methylation Patterns. PLoS ONE, 2012, 7, e32225.	1.1	14
39	NUCLEOTIDE SEQUENCE HOMOLOGY WITHIN THE GENOME OF DROSOPHILA MELANOGASTER. Genetics, 1968, 60, 323-334.	1.2	14
40	STATISTICAL INFERENCE OF TRANSMISSION FIDELITY OF DNA METHYLATION PATTERNS OVER SOMATIC CELL DIVISIONS IN MAMMALS. , 2010, 4, 871-892.		13
41	Why do fragile X carrier frequencies differ between Asian and non-Asian populations?. Genes and Genetic Systems, 2013, 88, 211-224.	0.2	11
42	Fragile-X mutation proposed to block complete reactivation in females of an inactive X chromosome. American Journal of Medical Genetics Part A, 1988, 30, 693-696.	2.4	10
43	Intercalary heterochromatin of Drosophila as a potential model for human fragile sites. American Journal of Medical Genetics Part A, 1988, 30, 689-691.	2.4	6
44	From Polytene Chromosomes to Human Embryology: Connections via the Human Fragile-X Syndrome. American Zoologist, 1989, 29, 569-591.	0.7	5
45	Estimating the stability of the proposed imprinted state of the fragile-X mutation when transmitted by females. Human Genetics, 1992, 88, 335-43.	1.8	5
46	A new regulatory pathway for fragile X syndrome?. Nature Medicine, 2002, 8, 1204-1205.	15.2	2
47	At what rate do new premutation alleles arise at the fragile X locus?. Human Genetics, 2013, 132, 715-717.	1.8	1