Susan A Gerbi

List of Publications by Year
in descending order

70 papers	2,814 citations	172457 29 h-index	182427 51 g-index
126 all docs	126 docs citations	126 times ranked	1497 citing authors

#	Article	IF	Citations
1	Gene-rich germline-restricted chromosomes in black-winged fungus gnats evolved through hybridization. PLoS Biology, 2022, 20, e3001559.	5.6	15
2	Development of Transformation for Genome Editing of an Emerging Model Organism. Genes, 2022, 13, 1108.	2.4	3
3	Non-random chromosome segregation and chromosome eliminations in the fly Bradysia (Sciara). Chromosome Research, 2022, 30, 273-288.	2.2	8
4	Anatomy and evolution of a DNA replication origin. Chromosoma, 2021, 130, 199-214.	2.2	3
5	William R. Brinkley: A giant in biomedical research and public policy. Journal of Cell Biology, 2021, 220, .	5.2	1
6	High contiguity de novo genome assembly and DNA modification analyses for the fungus fly, Sciara coprophila, using single-molecule sequencing. BMC Genomics, 2021, 22, 643.	2.8	17
7	Making ends meet: targeted integration of DNA fragments by genome editing. Chromosoma, 2018, 127, 405-420.	2.2	35
8	Bundling up DNA. ELife, 2018, 7, .	6.0	1
9	Treasure Your Exceptions: An Interview with 2017 George Beadle Award Recipient Susan A. Gerbi. Genetics, 2017, 207, 1215-1217.	2.9	0
10	The path from student to mentor and from chromosomes to replication to genomics. Molecular Biology of the Cell, 2016, 27, 3200-3202.	2.1	0
11	Biomedical science postdocs: an end to the era of expansion. FASEB Journal, 2016, 30, 41-44.	0.5	23
12	Whole Organism Genome Editing: Targeted Large DNA Insertion via ObLiGaRe Nonhomologous End-Joining in Vivo Capture. G3: Genes, Genomes, Genetics, 2015, 5, 1843-1847.	1.8	14
13	Characterizing and controlling intrinsic biases of lambda exonuclease in nascent strand sequencing reveals phasing between nucleosomes and G-quadruplex motifs around a subset of human replication origins. Genome Research, 2015, 25, 725-735.	5.5	70
14	Universal and domain-specific sequences in 23Sâ€“28S ribosomal RNA identified by computational phylogenetics. Rna, 2015, 21, 1719-1730.	3.5	29
15	Beginning at the end: DNA replication within the telomere. Journal of Cell Biology, 2015, 210, 177-179.	5.2	5
16	The hunt for origins of DNA replication in multicellular eukaryotes. F1000prime Reports, 2015, 7, 30.	5.9	25
17	Isolation and characterization of the ecdysone receptor and its heterodimeric partner ultraspiracle through development in Sciara coprophila. Chromosoma, 2013, 122, 103-119.	2.2	11
18	The ecdysone receptor (ScEcR-A) binds DNA puffs at the start of DNA amplification in Sciara coprophila. Chromosome Research, 2013, 21, 345-360.	2.2	6

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19	A remarkable career in scienceâ€"Joseph G. Gall. Chromosome Research, 2013, 21, 339-343.	2.2	1
20	Helen Crouse (1914â€"2006): Imprinting and Chromosome Behavior. Genetics, 2007, 175, 1-6.	2.9	14
21	Ecdysone induces transcription and amplification in Sciara coprophila DNA puff II/9A. Developmental Biology, 2006, 299, 151-163.	2.0	18
22	Mapping Origins of DNA Replication in Eukaryotes. , 2005, 296, 167-180.		8
23	Foreign postdocs: the changing face of biomedical science in the U.S.. FASEB Journal, 2005, 19, 1938-1942.	0.5	18
24	An evolutionary intra-molecular shift in the preferred U3 snoRNA binding site on pre-ribosomal RNA. Nucleic Acids Research, 2005, 33, 4995-5005.	14.5	30
25	The nucleolus: a site of ribonucleoprotein maturation. Current Opinion in Cell Biology, 2003, 15, 318-325.	5.4	112
26	Joseph G. Gall. Journal of Cell Science, 2003, 116, 3849-3850.	2.0	2
27	In an era of scientific opportunity, are there opportunities for biomedical scientists?. FASEB Journal, 2003, 17, 2169-2173.	0.5	24
28	U4 snRNA nucleolar localization requires the NHPX/15.5-kD protein binding site but not Sm protein or U6 snRNA association. Journal of Cell Biology, 2003, 162, 821-832.	5.2	14
29	Developmental Changes in the Sciara II/9A Initiation Zone for DNA Replication. Molecular and Cellular Biology, 2002, 22, 8426-8437.	2.3	61
30	All Small Nuclear RNAs (snRNAs) of the [U4/U6.U5] Tri-snRNP Localize to Nucleoli; Identification of the Nucleolar Localization Element of U6 snRNA. Molecular Biology of the Cell, 2002, 13, 3123-3137.	2.1	49
31	Initiation of DNA replication in multicellular eukaryotes. Journal of Structural Biology, 2002, 140, 17-30.	2.8	40
32	DNA replication and chromatin. Current Opinion in Genetics and Development, 2002, 12, 243-248.	3.3	56
33	A DNase I hypersensitive site flanks an origin of DNA replication and amplification in Sciara. Chromosoma, 2002, 111, 291-303.	2.2	17
34	Maintenance of the DNA puff expanded state is independent of active replication and transcription. Chromosoma, 2001, 110, 186-196.	2.2	17
35	Origin recognition complex binding to a metazoan replication origin. Current Biology, 2001, 11, 1427-1431.	3.9	71
36	Xenopus U3 snoRNA GAC-Box Aâ€² and Box A Sequences Play Distinct Functional Roles in rRNA Processing. Molecular and Cellular Biology, 2001, 21, 6210-6221.	2.3	48

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37	EDUCATION: Workforce Alternatives to Graduate Students?. Science, 2001, 292, 1489-1490.	12.6	7
38	Transient Nucleolar Localization Of U6 Small Nuclear RNA In<i>Xenopus Laevis</i>Oocytes. Molecular Biology of the Cell, 2000, 11, 2419-2428.	2.1	65
39	The spacing between functional cis-elements of U3 snoRNA is critical for rRNA processing. Journal of Molecular Biology, 2000, 300, 57-74.	4.2	40
40	Box H and Box ACA Are Nucleolar Localization Elements of U17 Small Nucleolar RNA. Molecular Biology of the Cell, 1999, 10, 3877-3890.	2.1	46
41	Eukaryotic DNA Replication. Chromosome Research, 1999, 7, 81-82.	2.2	0
42	Chromosomal ARS1 Has a Single Leading Strand Start Site. Molecular Cell, 1999, 3, 477-486.	9.7	106
43	U3 small nucleolar RNA is essential for cleavage at sites 1, 2 and 3 in pre-rRNA and determines which rRNA processing pathway is taken in Xenopus oocytes 1 1Edited by D. E. Draper. Journal of Molecular Biology, 1999, 286, 1347-1363.	4.2	66
44	Discrete Start Sites for DNA Synthesis in the Yeast ARS1 Origin. Science, 1998, 279, 95-98.	12.6	144
45	Nucleolar Localization Elements of Xenopus laevis U3 Small Nucleolar RNA. Molecular Biology of the Cell, 1998, 9, 2973-2985.	2.1	40
46	Education and Employment Patterns of U.S. Ph.D.'s in the Biomedical Sciences. FASEB Journal, 1998, 12, 139-148.	0.5	17
47	Nucleolar localization elements in U8 snoRNA differ from sequences required for rRNA processing. Rna, 1998, 4, 789-800.	3.5	33
48	Replication Initiation Point Mapping. Methods, 1997, 13, 271-280.	3.8	89
49	The nucleolus: then and now. Chromosoma, 1997, 105, 385-387.	2.2	7
50	U3 snoRNA may recycle through different compartments of the nucleolus. Chromosoma, 1997, 105, 401-406.	2.2	17
51	Delocalization of some small nucleolar RNPs after actinomycin D treatment to deplete early pre-rRNAs. Chromosoma, 1997, 105, 506-514.	2.2	18
52	The nucleolus: then and now. Chromosoma, 1997, 105, 385-387.	2.2	2
53	U3 snoRNA may recycle through different compartments of the nucleolus. Chromosoma, 1997, 105, 401-406.	2.2	6
54	Delocalization of some small nucleolar RNPs after actinomycin D treatment to deplete early pre-rRNAs. Chromosoma, 1997, 105, 506-514.	2.2	3

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55	Small nucleolar RNA. Biochemistry and Cell Biology, 1995, 73, 845-858.	2.0	48
56	Developmental Progression of DNA Puffs in Sciara coprophila: Amplification and Transcription. Developmental Biology, 1993, 160, 73-84.	2.0	41
57	Isolation and characterization of ribosomal DNA variants from Sciara coprophila. Journal of Molecular Biology, 1989, 210, 1-13.	4.2	33
58	Molecular characterization of DNA puff II/9a genes in Sciara coprophila. Journal of Molecular Biology, 1989, 210, 531-540.	4.2	34
59	Nucleotide sequence determination and secondary structure ofXenopusU3 snRNA. Nucleic Acids Research, 1988, 16, 2127-2148.	14.5	91
60	rRNA proceesing: removal of only nineteen bas at the gap between 28SÎ± and 28SÎ² rRNAs inSciara coprophila. Nucleic Acids Research, 1985, 13, 3581-3597.	14.5	60
61	Xenopus laevis28S ribosomal RNA: a secondary structure model and its evolutionary and functional implications. Nucleic Acids Research, 1984, 12, 6197-6220.	14.5	207
62	Processing of the large rRNA precursor: two proposed categories of RNA-RNA interactions in eukaryotes. Journal of Molecular Evolution, 1984, 20, 362-367.	1.8	62
63	Sequence analysis of 28S ribosomal DNA from the amphibianXenopus laevis. Nucleic Acids Research, 1983, 11, 7795-7817.	14.5	170
64	Spermatogenesis in Sciara coprophila. Chromosoma, 1981, 83, 1-18.	2.2	28
65	Spermatogenesis in Sciara coprophila. Chromosoma, 1981, 83, 19-27.	2.2	18
66	Localization of ribosomal DNA within the proximal X heterochromatin of Sciara coprophila (Diptera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	29
67	FURTHER STUDIES ON THE RIBOSOMAL RNA CISTRONS OF SCIARA COPROPHILA (DIPTERA). Genetics, 1976, 83, 81-90.	2.9	26
68	Interdigitated repeated sequences in bovine satellite DNA. Nature, 1975, 253, 367-370.	27.8	29
69	Localization and characterization of the ribosomal RNA cistrons in Sciara coprophila. Journal of Molecular Biology, 1971, 58, 499-511.	4.2	59
70	Cytological localization of DNA complementary to ribosomal RNA in polytene chromosomes of Diptera. Chromosoma, 1970, 29, 268-290.	2.2	271