

David J Garfinkel

List of Publications by Year in descending order

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55
papers

7,521
citations

201674

27
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149698

56
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59
all docs

59
docs citations

59
times ranked

6991
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional profiling of the <i>Saccharomyces cerevisiae</i> genome. <i>Nature</i> , 2002, 418, 387-391.	27.8	3,938
2	Ty elements transpose through an RNA intermediate. <i>Cell</i> , 1985, 40, 491-500.	28.9	906
3	Ty element transposition: Reverse transcriptase and virus-like particles. <i>Cell</i> , 1985, 42, 507-517.	28.9	367
4	Sequences homologous to <i>Agrobacterium rhizogenes</i> T-DNA in the genomes of uninfected plants. <i>Nature</i> , 1983, 301, 348-350.	27.8	173
5	An <i>Agrobacterium</i> transformation in the evolution of the genus <i>Nicotiana</i> . <i>Nature</i> , 1986, 319, 422-427.	27.8	167
6	RNA-mediated recombination in <i>S. cerevisiae</i> . <i>Cell</i> , 1991, 67, 355-364.	28.9	146
7	MGA2 or SPT23 Is Required for Transcription of the Δ^9 Fatty Acid Desaturase Gene, OLE1, and Nuclear Membrane Integrity in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1999, 151, 473-483.	2.9	144
8	Chemical Cleavage at Aspartyl Residues for Protein Identification. <i>Analytical Chemistry</i> , 2001, 73, 5395-5402.	6.5	128
9	Ty RNA levels determine the spectrum of retrotransposition events that activate gene expression in <i>Saccharomyces cerevisiae</i> . <i>Molecular Genetics and Genomics</i> , 1990, 220, 213-221.	2.4	98
10	A Ty1 Integrase Nuclear Localization Signal Required for Retrotransposition. <i>Molecular and Cellular Biology</i> , 1998, 18, 1105-1114.	2.3	96
11	Chromatin-Associated Genes Protect the Yeast Genome From Ty1 Insertional Mutagenesis. <i>Genetics</i> , 2008, 178, 197-214.	2.9	81
12	Posttranslational Inhibition of Ty1 Retrotransposition by Nucleotide Excision Repair/Transcription Factor TFIIH Subunits Ssl2p and Rad3p. <i>Genetics</i> , 1998, 148, 1743-1761.	2.9	75
13	P-Body Components Are Required for Ty1 Retrotransposition during Assembly of Retrotransposition-Competent Virus-Like Particles. <i>Molecular and Cellular Biology</i> , 2010, 30, 382-398.	2.3	72
14	A <i>trans</i> -Dominant Form of Gag Restricts Ty1 Retrotransposition and Mediates Copy Number Control. <i>Journal of Virology</i> , 2015, 89, 3922-3938.	3.4	72
15	Posttranslational Regulation of Ty1 Retrotransposition by Mitogen-Activated Protein Kinase Fus3. <i>Molecular and Cellular Biology</i> , 1998, 18, 2502-2513.	2.3	62
16	Post-transcriptional Cosuppression of Ty1 Retrotransposition. <i>Genetics</i> , 2003, 165, 83-99.	2.9	61
17	The mechanism and consequences of retrotransposition. <i>Trends in Genetics</i> , 1986, 2, 118-123.	6.7	55
18	New lines of host defense: inhibition of Ty1 retrotransposition by Fus3p and NER/TFIIH. <i>Trends in Genetics</i> , 1999, 15, 43-45.	6.7	54

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19	Posttranslational interference of Ty1 retrotransposition by antisense RNAs. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15657-15662.	7.1	54
20	Nucleotide Excision Repair/TFIIH Helicases Rad3 and Ssl2 Inhibit Short-Sequence Recombination and Ty1 Retrotransposition by Similar Mechanisms. Molecular and Cellular Biology, 2000, 20, 2436-2445.	2.3	48
21	The Genomic RNA in Ty1 Virus-Like Particles Is Dimeric. Journal of Virology, 2000, 74, 10819-10821.	3.4	47
22	The Saccharomyces cerevisiae DNA Recombination and Repair Functions of the RAD52 Epistasis Group Inhibit Ty1 Transposition. Genetics, 2000, 154, 543-556.	2.9	43
23	<i>BUD22</i> Affects Ty1 Retrotransposition and Ribosome Biogenesis in <i>Saccharomyces cerevisiae</i> . Genetics, 2010, 185, 1193-1205.	2.9	42
24	S-Phase Checkpoint Pathways Stimulate the Mobility of the Retrovirus-Like Transposon Ty1. Molecular and Cellular Biology, 2007, 27, 8874-8885.	2.3	41
25	Ty1 retrovirus-like element Gag contains overlapping restriction factor and nucleic acid chaperone functions. Nucleic Acids Research, 2015, 43, 7414-7431.	14.5	36
26	Influences of Histone Stoichiometry on the Target Site Preference of Retrotransposons Ty1 and Ty2 in <i>Saccharomyces cerevisiae</i> . Genetics, 1996, 142, 761-776.	2.9	35
27	The Rad27 (Fen-1) Nuclease Inhibits Ty1 Mobility in <i>Saccharomyces cerevisiae</i> . Genetics, 2003, 163, 55-67.	2.9	34
28	Exploring Ty1 retrotransposon RNA structure within virus-like particles. Nucleic Acids Research, 2013, 41, 463-473.	14.5	33
29	Retrotransposon Suicide: Formation of Ty1 Circles and Autointegration via a Central DNA Flap. Journal of Virology, 2006, 80, 11920-11934.	3.4	30
30	The Ty1 Retrotransposon Restriction Factor p22 Targets Gag. PLoS Genetics, 2015, 11, e1005571.	3.5	30
31	Evolution of Ty1 copy number control in yeast by horizontal transfer and recombination. PLoS Genetics, 2020, 16, e1008632.	3.5	30
32	Analysis of a Ty1-less variant of <i>Saccharomyces paradoxus</i> : the gain and loss of Ty1 elements. Yeast, 2004, 21, 649-660.	1.7	29
33	Ty1 Gag Enhances the Stability and Nuclear Export of Ty1 mRNA. Traffic, 2013, 14, 57-69.	2.7	28
34	Ty1 Copy Number Dynamics in <i>Saccharomyces</i> . Genetics, 2005, 169, 1845-1857.	2.9	27
35	p205, A potential tumor suppressor, inhibits cell proliferation via multiple pathways of cell cycle regulation. FEBS Letters, 2006, 580, 1205-1214.	2.8	27
36	Molecular characterization of the SPT23 gene: A dosage-dependent suppressor of ty-induced promoter mutations from <i>Saccharomyces cerevisiae</i> . Yeast, 1994, 10, 81-92.	1.7	24

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37	A self-encoded capsid derivative restricts Ty1 retrotransposition in <i>Saccharomyces</i> . <i>Current Genetics</i> , 2016, 62, 321-329.	1.7	23
38	Nucleotide Excision Repair, Genome Stability, and Human Disease: New Insight from Model Systems. <i>Journal of Biomedicine and Biotechnology</i> , 2002, 2, 55-60.	3.0	18
39	[23] Ty mutagenesis in <i>Saccharomyces cerevisiae</i> . <i>Methods in Enzymology</i> , 1991, 194, 342-361.	1.0	17
40	Genetic loose change: How retroelements and reverse transcriptase heal broken chromosomes. <i>Trends in Microbiology</i> , 1997, 5, 173-175.	7.7	13
41	Structure of a Ty1 restriction factor reveals the molecular basis of transposition copy number control. <i>Nature Communications</i> , 2021, 12, 5590.	12.8	12
42	Ribosomal protein and biogenesis factors affect multiple steps during movement of the <i>Saccharomyces cerevisiae</i> Ty1 retrotransposon. <i>Mobile DNA</i> , 2015, 6, 22.	3.6	11
43	Ribosome Biogenesis Modulates Ty1 Copy Number Control in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2017, 207, 1441-1456.	2.9	11
44	Sensitive Phenotypic Detection of Minor Drug-Resistant Human Immunodeficiency Virus Type 1 Reverse Transcriptase Variants. <i>Journal of Clinical Microbiology</i> , 2005, 43, 5696-5704.	3.9	10
45	Correct Integration of Model Substrates by Ty1 Integrase. <i>Journal of Virology</i> , 2000, 74, 11522-11530.	3.4	9
46	Influence of RNA structural elements on Ty1 retrotransposition. <i>Mobile Genetic Elements</i> , 2013, 3, e25060.	1.8	9
47	Structure of Ty1 Internally Initiated RNA Influences Restriction Factor Expression. <i>Viruses</i> , 2017, 9, 74.	3.3	9
48	Retroviral-like determinants and functions required for dimerization of Ty1 retrotransposon RNA. <i>RNA Biology</i> , 2019, 16, 1749-1763.	3.1	8
49	Ty1 escapes restriction by the self-encoded factor p22 through mutations in capsid. <i>Mobile Genetic Elements</i> , 2016, 6, e1154639.	1.8	7
50	Functional Analysis of N-Terminal Residues of Ty1 Integrase. <i>Journal of Virology</i> , 2009, 83, 9502-9511.	3.4	5
51	Genome Assembly of the Ty1-Less <i>Saccharomyces paradoxus</i> Strain DG1768. <i>Microbiology Resource Announcements</i> , 2022, 11, e0086821.	0.6	5
52	<i>In vivo</i> structure of the Ty1 retrotransposon RNA genome. <i>Nucleic Acids Research</i> , 2021, 49, 2878-2893.	14.5	4
53	Long-Read Genome Assembly of <i>Saccharomyces uvarum</i> Strain CBS 7001. <i>Microbiology Resource Announcements</i> , 2022, 11, e0097221.	0.6	4
54	Characterizing the functions of Ty1 Gag and the Gag-derived restriction factor p22/p18. <i>Mobile Genetic Elements</i> , 2016, 6, e1154637.	1.8	2

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55	RNA Binding Properties of the Ty1 LTR-Retrotransposon Gag Protein. International Journal of Molecular Sciences, 2021, 22, 9103.	4.1	2