

Mark Johnston

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4757008/publications.pdf>

Version: 2024-02-01

94
papers

27,330
citations

44444

50
h-index

49824

91
g-index

138
all docs

138
docs citations

138
times ranked

22983
citing authors

#	ARTICLE	IF	CITATIONS
1	Opening up Peer Review. <i>Genetics</i> , 2020, 216, 619-620.	1.2	2
2	Handing off the Torch. <i>Genetics</i> , 2020, 216, 825-826.	1.2	0
3	Opening up Peer Review. <i>Genetics</i> , 2020, 216, 619-620.	1.2	1
4	Genetic Analysis of Signal Generation by the Rgt2 Glucose Sensor of <i>Saccharomyces cerevisiae</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2685-2696.	0.8	13
5	Support Science by Publishing in Scientific Society Journals. <i>MBio</i> , 2017, 8, .	1.8	7
6	The Std1 Activator of the Snf1/AMPK Kinase Controls Glucose Response in Yeast by a Regulated Protein Aggregation. <i>Molecular Cell</i> , 2017, 68, 1120-1133.e3.	4.5	33
7	A New Century of GENETICS. <i>Genetics</i> , 2016, 202, 1-2.	1.2	4
8	A novel role for yeast casein kinases in glucose sensing and signaling. <i>Molecular Biology of the Cell</i> , 2016, 27, 3369-3375.	0.9	30
9	Joshua Lederberg on Bacterial Recombination. <i>Genetics</i> , 2016, 203, 613-614.	1.2	2
10	A Glaring Paradox. <i>Genetics</i> , 2015, 199, 637-638.	1.2	6
11	Cross-Talk between Carbon Metabolism and the DNA Damage Response in <i>S.Âcerevisiae</i> . <i>Cell Reports</i> , 2015, 12, 1865-1875.	2.9	38
12	SUMOylation regulates the SNF1 protein kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17432-17437.	3.3	47
13	Retrotransposon profiling of RNA polymerase III initiation sites. <i>Genome Research</i> , 2012, 22, 681-692.	2.4	33
14	Editorial Principles and Practices of <i>GENETICS</i> : A Peer-Edited Journal of the Genetics Society of America. <i>Genetics</i> , 2012, 192, 761-762.	1.2	0
15	â€œCalling Cardsâ€ for DNA-Binding Proteins in Mammalian Cells. <i>Genetics</i> , 2012, 190, 941-949.	1.2	57
16	The Awesome Power of Yeast Evolutionary Genetics: New Genome Sequences and Strain Resources for the <i>Saccharomyces sensu stricto</i> Genus. <i>G3: Genes, Genomes, Genetics</i> , 2011, 1, 11-25.	0.8	348
17	YeastBook: An Encyclopedia of the Reference Eukaryotic Cell. <i>Genetics</i> , 2011, 189, 683-684.	1.2	9
18	Calling Cards enable multiplexed identification of the genomic targets of DNA-binding proteins. <i>Genome Research</i> , 2011, 21, 748-755.	2.4	45

#	ARTICLE	IF	CITATIONS
19	G3, GENETICS, and the GSA: Two Journals, One Mission. G3: Genes, Genomes, Genetics, 2011, 1, 245-246.	0.8	0
20	Microbe domestication and the identification of the wild genetic stock of lager-brewing yeast. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14539-14544.	3.3	568
21	A quantitative model of glucose signaling in yeast reveals an incoherent feed forward loop leading to a specific, transient pulse of transcription. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16743-16748.	3.3	37
22	Leveraging skewed transcript abundance by RNA-Seq to increase the genomic depth of the tree of life. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1476-1481.	3.3	101
23	Remarkably ancient balanced polymorphisms in a multi-locus gene network. Nature, 2010, 464, 54-58.	13.7	147
24	Asymmetric Signal Transduction through Paralogs That Comprise a Genetic Switch for Sugar Sensing in <i>Saccharomyces cerevisiae</i> . Journal of Biological Chemistry, 2009, 284, 29635-29643.	1.6	26
25	Renewing <scp>Genetics</scp>. Genetics, 2009, 183, 3-3.	1.2	1
26	Presenting Genetics: Honoring the Past, Embracing the Future. Genetics, 2009, 183, 1203-1203.	1.2	2
27	Unusual composition of a yeast chromosome arm is associated with its delayed replication. Genome Research, 2009, 19, 1710-1721.	2.4	43
28	Reclaiming Responsibility for Setting Standards. Genetics, 2009, 181, 355-356.	1.2	2
29	Comparative genomics of protoploid <i>Saccharomycetaceae</i> . Genome Research, 2009, 19, 1696-1709.	2.4	207
30	Specialized Sugar Sensing in Diverse Fungi. Current Biology, 2009, 19, 436-441.	1.8	46
31	Linking Cell Cycle to Histone Modifications: SBF and H2B Monoubiquitination Machinery and Cell-Cycle Regulation of H3K79 Dimethylation. Molecular Cell, 2009, 35, 626-641.	4.5	159
32	Benchmarking Next-Generation Transcriptome Sequencing for Functional and Evolutionary Genomics. Molecular Biology and Evolution, 2009, 26, 2731-2744.	3.5	140
33	Carrying the Torch. Genetics, 2009, 181, 1-2.	1.2	1
34	'Calling Cards' method for high-throughput identification of targets of yeast DNA-binding proteins. Nature Protocols, 2008, 3, 1569-1577.	5.5	14
35	Calling cards for DNA-binding proteins. Genome Research, 2007, 17, 1202-1209.	2.4	34
36	Regulation of sugar transport and metabolism by the <i>Candida albicans</i> Rgt1 transcriptional repressor. Yeast, 2007, 24, 847-860.	0.8	57

#	ARTICLE	IF	CITATIONS
37	A Glucose Sensor in <i>Candida albicans</i> . <i>Eukaryotic Cell</i> , 2006, 5, 1726-1737.	3.4	105
38	Integration of Transcriptional and Posttranslational Regulation in a Glucose Signal Transduction Pathway in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2006, 5, 167-173.	3.4	81
39	After the Duplication: Gene Loss and Adaptation in <i>Saccharomyces</i> Genomes. <i>Genetics</i> , 2006, 172, 863-872.	1.2	84
40	Two Glucose-sensing Pathways Converge on Rgt1 to Regulate Expression of Glucose Transporter Genes in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 26144-26149.	1.6	86
41	Linking DNA-binding proteins to their recognition sequences by using protein microarrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9940-9945.	3.3	63
42	Glucose as a hormone: receptor-mediated glucose sensing in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemical Society Transactions</i> , 2005, 33, 247-252.	1.6	109
43	How the Rgt1 Transcription Factor of <i>Saccharomyces cerevisiae</i> Is Regulated by Glucose. <i>Genetics</i> , 2005, 169, 583-594.	1.2	82
44	The Bur1/Bur2 Complex Is Required for Histone H2B Monoubiquitination by Rad6/Bre1 and Histone Methylation by COMPASS. <i>Molecular Cell</i> , 2005, 20, 589-599.	4.5	155
45	CELL BIOLOGY: Whither Model Organism Research?. <i>Science</i> , 2005, 307, 1885-1886.	6.0	118
46	Glucose sensing and signaling in <i>Saccharomyces cerevisiae</i> through the Rgt2 glucose sensor and casein kinase I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 1572-1577.	3.3	208
47	Regulatory Network Connecting Two Glucose Signal Transduction Pathways in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2004, 3, 221-231.	3.4	145
48	Large-scale screening of yeast mutants for sensitivity to the IMP dehydrogenase inhibitor 6-azauracil. <i>Yeast</i> , 2004, 21, 241-248.	0.8	70
49	The promise of functional genomics: completing the encyclopedia of a cell. <i>Current Opinion in Microbiology</i> , 2004, 7, 546-554.	2.3	44
50	Associating protein activities with their genes: rapid identification of a gene encoding a methylglyoxal reductase in the yeast <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 2003, 20, 545-554.	0.8	54
51	Yeast genome duplication was followed by asynchronous differentiation of duplicated genes. <i>Nature</i> , 2003, 421, 848-852.	13.7	141
52	Global Proteomic Analysis of <i>S. cerevisiae</i> (GPS) to Identify Proteins Required for Histone Modifications. <i>Methods in Enzymology</i> , 2003, 377, 227-234.	0.4	25
53	Finding Functional Features in <i>Saccharomyces</i> Genomes by Phylogenetic Footprinting. <i>Science</i> , 2003, 301, 71-76.	6.0	790
54	Bre1, an E3 Ubiquitin Ligase Required for Recruitment and Substrate Selection of Rad6 at a Promoter. <i>Molecular Cell</i> , 2003, 11, 267-274.	4.5	489

#	ARTICLE	IF	CITATIONS
55	The Paf1 Complex Is Required for Histone H3 Methylation by COMPASS and Dot1p: Linking Transcriptional Elongation to Histone Methylation. <i>Molecular Cell</i> , 2003, 11, 721-729.	4.5	642
56	The Paf1 Complex Is Essential for Histone Monoubiquitination by the Rad6-Bre1 Complex, Which Signals for Histone Methylation by COMPASS and Dot1p. <i>Journal of Biological Chemistry</i> , 2003, 278, 34739-34742.	1.6	340
57	Set2-Catalyzed Methylation of Histone H3 Represses Basal Expression of GAL4 in <i>Saccharomyces cerevisiae</i> . <i>Molecular and Cellular Biology</i> , 2003, 23, 5972-5978.	1.1	59
58	Specificity and Regulation of DNA Binding by the Yeast Glucose Transporter Gene Repressor Rgt1. <i>Molecular and Cellular Biology</i> , 2003, 23, 5208-5216.	1.1	116
59	EVOLUTION: Heirlooms in the Attic. <i>Science</i> , 2003, 302, 997-999.	6.0	13
60	Gene disruption. <i>Methods in Enzymology</i> , 2002, 350, 290-315.	0.4	39
61	COMPASS, a Histone H3 (Lysine 4) Methyltransferase Required for Telomeric Silencing of Gene Expression. <i>Journal of Biological Chemistry</i> , 2002, 277, 10753-10755.	1.6	365
62	Methylation of Histone H3 by COMPASS Requires Ubiquitination of Histone H2B by Rad6. <i>Journal of Biological Chemistry</i> , 2002, 277, 28368-28371.	1.6	466
63	GENOMICS: A Crisis in Postgenomic Nomenclature. <i>Science</i> , 2002, 296, 671-672.	6.0	8
64	Functional profiling of the <i>Saccharomyces cerevisiae</i> genome. <i>Nature</i> , 2002, 418, 387-391.	13.7	3,938
65	Surveying <i>Saccharomyces</i> Genomes to Identify Functional Elements by Comparative DNA Sequence Analysis. <i>Genome Research</i> , 2001, 11, 1175-1186.	2.4	218
66	COMPASS: A complex of proteins associated with a trithorax-related SET domain protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 12902-12907.	3.3	534
67	Grass-roots genomics. <i>Nature Genetics</i> , 2000, 24, 5-6.	9.4	10
68	Increasing galactose consumption by <i>Saccharomyces cerevisiae</i> through metabolic engineering of the GAL gene regulatory network. <i>Nature Biotechnology</i> , 2000, 18, 1283-1286.	9.4	168
69	A comprehensive analysis of protein-protein interactions in <i>Saccharomyces cerevisiae</i> . <i>Nature</i> , 2000, 403, 623-627.	13.7	4,490
70	The yeast genome: on the road to the Golden Age. <i>Current Opinion in Genetics and Development</i> , 2000, 10, 617-623.	1.5	25
71	Function and Regulation of Yeast Hexose Transporters. <i>Microbiology and Molecular Biology Reviews</i> , 1999, 63, 554-569.	2.9	616
72	Binding of the glucose-dependent Mig1p repressor to the GAL1 and GAL4 promoters in vivo: regulation by glucose and chromatin structure. <i>Nucleic Acids Research</i> , 1999, 27, 1350-1358.	6.5	52

#	ARTICLE	IF	CITATIONS
73	Functional Characterization of the <i>Saccharomyces cerevisiae</i> Genome by Gene Deletion and Parallel Analysis. <i>Science</i> , 1999, 285, 901-906.	6.0	3,761
74	Feasting, fasting and fermenting: glucose sensing in yeast and other cells. <i>Trends in Genetics</i> , 1999, 15, 29-33.	2.9	379
75	The nuclear exportin Msn5 is required for nuclear export of the Mig1 glucose repressor of <i>Saccharomyces cerevisiae</i> . <i>Current Biology</i> , 1999, 9, 1231-1241.	1.8	179
76	Systematic analysis of <i>S. cerevisiae</i> chromosome VIII genes. <i>Yeast</i> , 1999, 15, 1775-1796.	0.8	42
77	Glucose sensing and signaling by two glucose receptors in the yeast <i>Saccharomyces cerevisiae</i> . <i>EMBO Journal</i> , 1998, 17, 2566-2573.	3.5	318
78	Gene chips: Array of hope for understanding gene regulation. <i>Current Biology</i> , 1998, 8, R171-R174.	1.8	49
79	Characterization of Three Related Glucose Repressors and Genes They Regulate in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1998, 150, 1377-1391.	1.2	166
80	Grr1 of <i>Saccharomyces cerevisiae</i> is connected to the ubiquitin proteolysis machinery through Skp1: coupling glucose sensing to gene expression and the cell cycle. <i>EMBO Journal</i> , 1997, 16, 5629-5638.	3.5	202
81	Expression of the SUC2 Gene of <i>Saccharomyces cerevisiae</i> is Induced by Low Levels of Glucose. , 1997, 13, 127-137.		100
82	Life with 6000 Genes. <i>Science</i> , 1996, 274, 546-567.	6.0	3,548
83	Two glucose transporters in <i>Saccharomyces cerevisiae</i> are glucose sensors that generate a signal for induction of gene expression.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 12428-12432.	3.3	387
84	Towards a complete understanding of how a simple eukaryotic cell works. <i>Trends in Genetics</i> , 1996, 12, 242-243.	2.9	15
85	Genome sequencing: The complete code for a eukaryotic cell. <i>Current Biology</i> , 1996, 6, 500-503.	1.8	54
86	Isolation of yeast artificial chromosomes free of endogenous yeast chromosomes: construction of alternate hosts with defined karyotypic alterations.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 11706-11710.	3.3	28
87	Identifying DNA-Binding Sites and Analyzing DNA-Binding Domains Using a Yeast Selection System. <i>Methods</i> , 1993, 5, 125-137.	1.9	43
88	A genetic method for defining DNA-binding domains: application to the nuclear receptor NGFI-B.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 9186-9190.	3.3	30
89	Regulated expression of the GAL4 activator gene in yeast provides a sensitive genetic switch for glucose repression.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 8597-8601.	3.3	215
90	Isolation and characterization of the ZWF1 gene of <i>Saccharomyces cerevisiae</i> , encoding glucose-6-phosphate dehydrogenase. <i>Gene</i> , 1990, 96, 161-169.	1.0	175

#	ARTICLE	IF	CITATIONS
91	Galactose as a gratuitous inducer of GAL gene expression in yeasts growing on glucose. <i>Gene</i> , 1989, 83, 57-64.	1.0	170
92	The <i>Escherichia coli</i> proB gene corrects the proline auxotrophy of <i>Saccharomyces cerevisiae</i> pro1 mutants. <i>Molecular Genetics and Genomics</i> , 1988, 212, 124-128.	2.4	12
93	Genetic evidence that zinc is an essential co-factor in the DNA binding domain of GAL4 protein. <i>Nature</i> , 1987, 328, 353-355.	13.7	182
94	Molecular cloning of the GAL80 gene from <i>Saccharomyces cerevisiae</i> and characterization of a gal80 deletion. <i>Gene</i> , 1984, 32, 75-82.	1.0	64