

Nancy M Hollingsworth

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8760751/publications.pdf>

Version: 2024-02-01

34
papers

2,964
citations

279798

23
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

2185
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering Protein Kinase Specificity Through Large-Scale Analysis of Yeast Phosphorylation Site Motifs. <i>Science Signaling</i> , 2010, 3, ra12.	3.6	341
2	The HOP1 gene encodes a meiosis-specific component of yeast chromosomes. <i>Cell</i> , 1990, 61, 73-84.	28.9	339
3	Partner Choice during Meiosis Is Regulated by Hop1-promoted Dimerization of Mek1. <i>Molecular Biology of the Cell</i> , 2005, 16, 5804-5818.	2.1	231
4	The Mus81 solution to resolution: generating meiotic crossovers without Holliday junctions. <i>Genes and Development</i> , 2004, 18, 117-125.	5.9	221
5	Regulation of Meiotic Recombination via Mek1-Mediated Rad54 Phosphorylation. <i>Molecular Cell</i> , 2009, 36, 393-404.	9.7	158
6	Mek1 Kinase Activity Functions Downstream of RED1 in the Regulation of Meiotic Double Strand Break Repair in Budding Yeast. <i>Molecular Biology of the Cell</i> , 2004, 15, 11-23.	2.1	144
7	Yeast Vps13 promotes mitochondrial function and is localized at membrane contact sites. <i>Molecular Biology of the Cell</i> , 2016, 27, 2435-2449.	2.1	143
8	Meiotic Segregation, Synapsis, and Recombination Checkpoint Functions Require Physical Interaction between the Chromosomal Proteins Red1p and Hop1p. <i>Molecular and Cellular Biology</i> , 2000, 20, 6646-6658.	2.3	137
9	Cdc28 ϵ Clb5 (CDK-S) and Cdc7 ϵ Dbf4 (DDK) collaborate to initiate meiotic recombination in yeast. <i>Genes and Development</i> , 2008, 22, 386-397.	5.9	124
10	Mek1 Kinase Is Regulated To Suppress Double-Strand Break Repair between Sister Chromatids during Budding Yeast Meiosis. <i>Molecular and Cellular Biology</i> , 2007, 27, 5456-5467.	2.3	121
11	Red1p, a MEK1-dependent Phosphoprotein That Physically Interacts with Hop1p during Meiosis in Yeast. <i>Journal of Biological Chemistry</i> , 1999, 274, 1783-1790.	3.4	116
12	A Role for <i>MMS4</i> in the Processing of Recombination Intermediates During Meiosis in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2001, 159, 1511-1525.	2.9	101
13	Genetic Interactions Between <i>HOP1</i> , <i>RED1</i> and <i>MEK1</i> Suggest That <i>MEK1</i> Regulates Assembly of Axial Element Components During Meiosis in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 1997, 147, 33-42.	2.9	99
14	Mek1 Down Regulates Rad51 Activity during Yeast Meiosis by Phosphorylation of Hed1. <i>PLoS Genetics</i> , 2016, 12, e1006226.	3.5	76
15	Chemical Inactivation of Cdc7 Kinase in Budding Yeast Results in a Reversible Arrest That Allows Efficient Cell Synchronization Prior to Meiotic Recombination. <i>Genetics</i> , 2006, 174, 1767-1774.	2.9	56
16	Down-Regulation of Rad51 Activity during Meiosis in Yeast Prevents Competition with Dmc1 for Repair of Double-Strand Breaks. <i>PLoS Genetics</i> , 2014, 10, e1004005.	3.5	53
17	Coordination of Double Strand Break Repair and Meiotic Progression in Yeast by a Mek1-Ndt80 Negative Feedback Loop. <i>Genetics</i> , 2017, 206, 497-512.	2.9	49
18	Persistent DNA-break potential near telomeres increases initiation of meiotic recombination on short chromosomes. <i>Nature Communications</i> , 2019, 10, 970.	12.8	47

#	ARTICLE	IF	CITATIONS
19	Cdc7-Dbf4 Regulates <i>NDT80</i> Transcription as Well as Reductional Segregation during Budding Yeast Meiosis. <i>Molecular Biology of the Cell</i> , 2008, 19, 4956-4967.	2.1	45
20	Phosphorylation of the Synaptonemal Complex Protein Zip1 Regulates the Crossover/Noncrossover Decision during Yeast Meiosis. <i>PLoS Biology</i> , 2015, 13, e1002329.	5.6	43
21	Mek1 Suppression of Meiotic Double-Strand Break Repair Is Specific to Sister Chromatids, Chromosome Autonomous and Independent of Rec8 Cohesin Complexes. <i>Genetics</i> , 2010, 185, 771-782.	2.9	41
22	The meiotic-specific Mek1 kinase in budding yeast regulates interhomolog recombination and coordinates meiotic progression with double-strand break repair. <i>Current Genetics</i> , 2019, 65, 631-641.	1.7	40
23	Histone H3 Threonine 11 Phosphorylation Is Catalyzed Directly by the Meiosis-Specific Kinase Mek1 and Provides a Molecular Readout of Mek1 Activity <i>in Vivo</i> . <i>Genetics</i> , 2017, 207, 1313-1333.	2.9	34
24	Mek1 coordinates meiotic progression with DNA break repair by directly phosphorylating and inhibiting the yeast pachytene exit regulator Ndt80. <i>PLoS Genetics</i> , 2018, 14, e1007832.	3.5	33
25	Regulated Proteolysis of MutS ³ Controls Meiotic Crossing Over. <i>Molecular Cell</i> , 2020, 78, 168-183.e5.	9.7	33
26	DNA Helicase Mph1/FANCM Ensures Meiotic Recombination between Parental Chromosomes by Dissociating Precocious Displacement Loops. <i>Developmental Cell</i> , 2020, 53, 458-472.e5.	7.0	28
27	Cdc7-Dbf4 Is a Gene-Specific Regulator of Meiotic Transcription in Yeast. <i>Molecular and Cellular Biology</i> , 2012, 32, 541-557.	2.3	21
28	Using the Semi-synthetic Epitope System to Identify Direct Substrates of the Meiosis-Specific Budding Yeast Kinase, Mek1. <i>Methods in Molecular Biology</i> , 2011, 745, 135-149.	0.9	18
29	Identification of Putative Mek1 Substrates during Meiosis in <i>Saccharomyces cerevisiae</i> Using Quantitative Phosphoproteomics. <i>PLoS ONE</i> , 2016, 11, e0155931.	2.5	13
30	A Method for Sporulating Budding Yeast Cells That Allows for Unbiased Identification of Kinase Substrates Using Stable Isotope Labeling by Amino Acids in Cell Culture. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 2125-2135.	1.8	12
31	A new role for the synaptonemal complex in the regulation of meiotic recombination. <i>Genes and Development</i> , 2020, 34, 1562-1564.	5.9	12
32	Deconstructing meiosis one kinase at a time: polo pushes past pachytene. <i>Genes and Development</i> , 2008, 22, 2596-2600.	5.9	10
33	Genetic Dissection of Vps13 Regulation in Yeast Using Disease Mutations from Human Orthologs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6200.	4.1	8
34	Mek1/Mre4 is a master regulator of meiotic recombination in budding yeast. <i>Microbial Cell</i> , 2016, 3, 129-131.	3.2	8