Nancy M Hollingsworth

List of Publications by Year
in descending order

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	Genetic Dissection of Vps13 Regulation in Yeast Using Disease Mutations from Human Orthologs. International Journal of Molecular Sciences, 2021, 22, 6200.	4.1	8
2	A new role for the synaptonemal complex in the regulation of meiotic recombination. Genes and Development, 2020, 34, 1562-1564.	5.9	12
3	DNA Helicase Mph1FANCM Ensures Meiotic Recombination between Parental Chromosomes by Dissociating Precocious Displacement Loops. Developmental Cell, 2020, 53, 458-472.e5.	7.0	28
4	Regulated Proteolysis of MutSÎ³ Controls Meiotic Crossing Over. Molecular Cell, 2020, 78, 168-183.e5.	9.7	33
5	The meiotic-specific Mek1 kinase in budding yeast regulates interhomolog recombination and coordinates meiotic progression with double-strand break repair. Current Genetics, 2019, 65, 631-641.	1.7	40
6	Persistent DNA-break potential near telomeres increases initiation of meiotic recombination on short chromosomes. Nature Communications, 2019, 10, 970.	12.8	47
7	Mek1 coordinates meiotic progression with DNA break repair by directly phosphorylating and inhibiting the yeast pachytene exit regulator Ndt80. PLoS Genetics, 2018, 14, e1007832.	3.5	33
8	Coordination of Double Strand Break Repair and Meiotic Progression in Yeast by a Mek1-Ndt80 Negative Feedback Loop. Genetics, 2017, 206, 497-512.	2.9	49
9	Histone H3 Threonine 11 Phosphorylation Is Catalyzed Directly by the Meiosis-Specific Kinase Mek1 and Provides a Molecular Readout of Mek1 Activity in Vivo. Genetics, 2017, 207, 1313-1333.	2.9	34
10	Yeast Vps13 promotes mitochondrial function and is localized at membrane contact sites. Molecular Biology of the Cell, 2016, 27, 2435-2449.	2.1	143
11	Mek1 Down Regulates Rad51 Activity during Yeast Meiosis by Phosphorylation of Hed1. PLoS Genetics, 2016, 12, e1006226.	3.5	76
12	Identification of Putative Mek1 Substrates during Meiosis in Saccharomyces cerevisiae Using Quantitative Phosphoproteomics. PLoS ONE, 2016, 11, e0155931.	2.5	13
13	Mek1/Mre4 is a master regulator of meiotic recombination in budding yeast. Microbial Cell, 2016, 3, 129-131.	3.2	8
14	Phosphorylation of the Synaptonemal Complex Protein Zip1 Regulates the Crossover/Noncrossover Decision during Yeast Meiosis. PLoS Biology, 2015, 13, e1002329.	5.6	43
15	Down-Regulation of Rad51 Activity during Meiosis in Yeast Prevents Competition with Dmc1 for Repair of Double-Strand Breaks. PLoS Genetics, 2014, 10, e1004005.	3.5	53
16	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. G3: Genes, Genomes, Genetics, 2014, 4, 2125-2135.	1.8	12
17	Cdc7-Dbf4 Is a Gene-Specific Regulator of Meiotic Transcription in Yeast. Molecular and Cellular Biology, 2012, 32, 541-557.	2.3	21
18	Using the Semi-synthetic Epitope System to Identify Direct Substrates of the Meiosis-Specific Budding Yeast Kinase, Mek1. Methods in Molecular Biology, 2011, 745, 135-149.	0.9	18

#	Article	IF	Citations
19	Deciphering Protein Kinase Specificity Through Large-Scale Analysis of Yeast Phosphorylation Site Motifs. Science Signaling, 2010, 3, ra12.	3.6	341
20	Mek1 Suppression of Meiotic Double-Strand Break Repair Is Specific to Sister Chromatids, Chromosome Autonomous and Independent of Rec8 Cohesin Complexes. Genetics, 2010, 185, 771-782.	2.9	41
21	Regulation of Meiotic Recombination via Mek1-Mediated Rad54 Phosphorylation. Molecular Cell, 2009, 36, 393-404.	9.7	158
22	Cdc28â€“Clb5 (CDK-S) and Cdc7â€“Dbf4 (DDK) collaborate to initiate meiotic recombination in yeast. Genes and Development, 2008, 22, 386-397.	5.9	124
23	Cdc7-Dbf4 RegulatesNDT80Transcription as Well as Reductional Segregation during Budding Yeast Meiosis. Molecular Biology of the Cell, 2008, 19, 4956-4967.	2.1	45
24	Deconstructing meiosis one kinase at a time: polo pushes past pachytene. Genes and Development, 2008, 22, 2596-2600.	5.9	10
25	Mek1 Kinase Is Regulated To Suppress Double-Strand Break Repair between Sister Chromatids during Budding Yeast Meiosis. Molecular and Cellular Biology, 2007, 27, 5456-5467.	2.3	121
26	Chemical Inactivation of Cdc7 Kinase in Budding Yeast Results in a Reversible Arrest That Allows Efficient Cell Synchronization Prior to Meiotic Recombination. Genetics, 2006, 174, 1767-1774.	2.9	56
27	Partner Choice during Meiosis Is Regulated by Hop1-promoted Dimerization of Mek1. Molecular Biology of the Cell, 2005, 16, 5804-5818.	2.1	231
28	Mek1 Kinase Activity Functions Downstream of RED1 in the Regulation of Meiotic Double Strand Break Repair in Budding Yeast. Molecular Biology of the Cell, 2004, 15, 11-23.	2.1	144
29	The Mus81 solution to resolution: generating meiotic crossovers without Holliday junctions. Genes and Development, 2004, 18, 117-125.	5.9	221
30	A Role for MMS4 in the Processing of Recombination Intermediates During Meiosis in Saccharomyces cerevisiae. Genetics, 2001, 159, 1511-1525.	2.9	101
31	Meiotic Segregation, Synapsis, and Recombination Checkpoint Functions Require Physical Interaction between the Chromosomal Proteins Red1p and Hop1p. Molecular and Cellular Biology, 2000, 20, 6646-6658.	2.3	137
32	Red1p, a MEK1-dependent Phosphoprotein That Physically Interacts with Hop1p during Meiosis in Yeast. Journal of Biological Chemistry, 1999, 274, 1783-1790.	3.4	116
33	Genetic Interactions Between HOP1, RED1 and MEK1 Suggest That MEK1 Regulates Assembly of Axial Element Components During Meiosis in the Yeast Saccharomyces cerevisiae. Genetics, 1997, 147, 33-42.	2.9	99
34	The HOP1 gene encodes a meiosis-specific component of yeast chromosomes. Cell, 1990, 61, 73-84.	28.9	339