Aaron M Neiman

List of Publications by Year
in descending order

58	3,353	186265	149698
papers	citations	28 h-index	56 g-index

75	75	75	3184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perinuclear localization of chromatin facilitates transcriptional silencing. Nature, 1998, 394, 592-595.	27.8	433
2	Sporulation in the Budding Yeast Saccharomyces cerevisiae. Genetics, 2011, 189, 737-765.	2.9	324
3	Ascospore Formation in the Yeast Saccharomyces cerevisiae. Microbiology and Molecular Biology Reviews, 2005, 69, 565-584.	6.6	192
4	Prospore Membrane Formation Defines a Developmentally Regulated Branch of the Secretory Pathway in Yeast. Journal of Cell Biology, 1998, 140, 29-37.	5.2	191
5	Positive and Negative Regulation of a SNARE Protein by Control of Intracellular Localization. Molecular Biology of the Cell, 2004, 15, 1802-1815.	2.1	168
6	The Yeast Spore Wall Enables Spores to Survive Passage through the Digestive Tract of Drosophila. PLoS ONE, 2008, 3, e2873.	2.5	149
7	Yeast Vps13 promotes mitochondrial function and is localized at membrane contact sites. Molecular Biology of the Cell, 2016, 27, 2435-2449.	2.1	143
8	Phospholipase D and the SNARE Sso1p are necessary for vesicle fusion during sporulation in yeast. Journal of Cell Science, 2006, 119, 1406-1415.	2.0	110
9	Morphogenetic Pathway of Spore Wall Assembly in Saccharomyces cerevisiae. Eukaryotic Cell, 2004, 3, 1464-1475.	3.4	103
10	Identification of Domains Required for Developmentally Regulated SNARE Function in Saccharomyces cerevisiae. Genetics, 2000, 155, 1643-1655.	2.9	103
11	VPS13Regulates Membrane Morphogenesis During Sporulation inSaccharomyces cerevisiae. Journal of Cell Science, 2012, 125, 3004-11.	2.0	90
12	A Gip1pâ€“Glc7p phosphatase complex regulates septin organization and spore wall formation. Journal of Cell Biology, 2001, 155, 797-808.	5.2	88
13	Mek1 Down Regulates Rad51 Activity during Yeast Meiosis by Phosphorylation of Hed1. PLoS Genetics, 2016, 12, e1006226.	3.5	76
14	A phosphatidylinositol transfer protein integrates phosphoinositide signaling with lipid droplet metabolism to regulate a developmental program of nutrient stressâ€“induced membrane biogenesis. Molecular Biology of the Cell, 2014, 25, 712-727.	2.1	71
15	The Anaphase Promoting Complex Targeting Subunit Ama1 Links Meiotic Exit to Cytokinesis during Sporulation inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2009, 20, 134-145.	2.1	65
16	Interspore bridges: a new feature of the Saccharomyces cerevisiae spore wall. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	54
17	SPO21Is Required for Meiosis-specific Modification of the Spindle Pole Body in Yeast. Molecular Biology of the Cell, 2001, 12, 1611-1621.	2.1	53
18	Alternative Modes of Organellar Segregation during Sporulation in Saccharomyces cerevisiae. Eukaryotic Cell, 2007, 6, 2009-2017.	3.4	52

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19	A Highly Redundant Gene Network Controls Assembly of the Outer Spore Wall in S. cerevisiae. PLoS Genetics, 2013, 9, e1003700.	3.5	52
20	Erv14 family cargo receptors are necessary for ER exit during sporulation in Saccharomyces cerevisiae. Journal of Cell Science, 2007, 120, 908-916.	2.0	50
21	In Vitro Fusion Catalyzed by the Sporulationâ€Specific tâ€SNARE Lightâ€Chain Spo20p is Stimulated by Phosphatidic Acid. Traffic, 2007, 8, 1630-1643.	2.7	49
22	Ady4p and Spo74p Are Components of the Meiotic Spindle Pole Body That Promote Growth of the Prospore Membrane in Saccharomyces cerevisiae. Eukaryotic Cell, 2003, 2, 431-445.	3.4	48
23	GAS2 and GAS4, a Pair of Developmentally Regulated Genes Required for Spore Wall Assembly in Saccharomyces cerevisiae. Eukaryotic Cell, 2007, 6, 302-316.	3.4	48
24	XK is a partner for VPS13A: a molecular link between Chorea-Acanthocytosis and McLeod Syndrome. Molecular Biology of the Cell, 2020, 31, 2425-2436.	2.1	42
25	SPO71 Encodes a Developmental Stage-Specific Partner for Vps13 in Saccharomyces cerevisiae. Eukaryotic Cell, 2013, 12, 1530-1537.	3.4	41
26	Ady3p Links Spindle Pole Body Function to Spore Wall Synthesis in Saccharomyces cerevisiae. Genetics, 2002, 160, 1439-1450.	2.9	39
27	A Screen for Spore Wall Permeability Mutants Identifies a Secreted Protease Required for Proper Spore Wall Assembly. PLoS ONE, 2009, 4, e7184.	2.5	36
28	Congenital valvular defects associated with deleterious mutations in thePLD1gene. Journal of Medical Genetics, 2017, 54, 278-286.	3.2	36
29	Sequestration of mRNAs Modulates the Timing of Translation during Meiosis in Budding Yeast. Molecular and Cellular Biology, 2015, 35, 3448-3458.	2.3	28
30	Septins localize to microtubules during nutritional limitation in Saccharomyces cerevisiae. BMC Cell Biology, 2008, 9, 55.	3.0	27
31	Fungal Pathogens: Shape-Shifting Invaders. Trends in Microbiology, 2020, 28, 922-933.	7.7	27
32	A Conserved Function in Phosphatidylinositol Metabolism for Mammalian Vps13 Family Proteins. PLoS ONE, 2015, 10, e0124836.	2.5	27
33	Genetic Evidence of a Role for Membrane Lipid Composition in the Regulation of Soluble NEM-Sensitive Factor Receptor Function in Saccharomyces cerevisiae. Genetics, 2004, 166, 89-97.	2.9	26
34	A Visual Screen of Protein Localization during Sporulation Identifies New Components of Prospore Membrane-Associated Complexes in Budding Yeast. Eukaryotic Cell, 2014, 13, 383-391.	3.4	26
35	Regulation of Spindle Pole Function by an Intermediary Metabolite. Molecular Biology of the Cell, 2004, 15, 2606-2616.	2.1	23
36	Cdc15 Is Required for Spore Morphogenesis Independently of Cdc14 in Saccharomyces cerevisiae. Genetics, 2007, 177, 281-293.	2.9	22

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37	Unconventional Constituents and Shared Molecular Architecture of the Melanized Cell Wall of C. neoformans and Spore Wall of S. cerevisiae. Journal of Fungi (Basel, Switzerland), 2020, 6, 329.	3.5	21
38	Vesicle Docking to the Spindle Pole Body Is Necessary to Recruit the Exocyst During Membrane Formation inSaccharomyces cerevisiae. Molecular Biology of the Cell, 2010, 21, 3693-3707.	2.1	19
39	Post-transcriptional regulation in budding yeast meiosis. Current Genetics, 2016, 62, 313-315.	1.7	19
40	Long-Chain Polyprenols Promote Spore Wall Formation in Saccharomyces cerevisiae. Genetics, 2017, 207, 1371-1386.	2.9	18
41	Predicted RNA Binding Proteins Pes4 and Mip6 Regulate mRNA Levels, Translation, and Localization during Sporulation in Budding Yeast. Molecular and Cellular Biology, 2017, 37, .	2.3	17
42	Developmentally regulated internal transcription initiation during meiosis in budding yeast. PLoS ONE, 2017, 12, e0188001.	2.5	16
43	Binding interactions control SNARE specificity in vivo. Journal of Cell Biology, 2008, 183, 1089-1100.	5.2	15
44	A Genome-Wide Screen for Sporulation-Defective Mutants inSchizosaccharomyces pombe. G3: Genes, Genomes, Genetics, 2014, 4, 1173-1182.	1.8	15
45	Suppression of Vps13 adaptor protein mutants reveals a central role for PI4P in regulating prospore membrane extension. PLoS Genetics, 2021, 17, e1009727.	3.5	12
46	Protein Phosphatase Type 1-Interacting Protein Ysw1 Is Involved in Proper Septin Organization and Prospore Membrane Formation during Sporulation. Eukaryotic Cell, 2009, 8, 1027-1037.	3.4	11
47	The JmjC domain of Gis1 is dispensable for transcriptional activation. FEMS Yeast Research, 2010, 10, 793-801.	2.3	11
48	Membrane assembly modulates the stability of the meiotic spindle-pole body. Journal of Cell Science, 2010, 123, 2481-2490.	2.0	9
49	Dynamic localization of a yeast developmentâ€“specific PP1 complex during prospore membrane formation is dependent on multiple localization signals and complex formation. Molecular Biology of the Cell, 2017, 28, 3881-3895.	2.1	9
50	A Conserved Machinery Underlies the Synthesis of a Chitosan Layer in the Candida Chlamydospore Cell Wall. MSphere, 2021, 6, .	2.9	9
51	In vitro reconstitution of the yeast spore wall dityrosine layer discloses the mechanism of its assembly. Journal of Biological Chemistry, 2017, 292, 15880-15891.	3.4	8
52	Genetic Dissection of Vps13 Regulation in Yeast Using Disease Mutations from Human Orthologs. International Journal of Molecular Sciences, 2021, 22, 6200.	4.1	8
53	The meiosis-specific Cdc20 family-member Ama1 promotes binding of the Ssp2 activator to the Smk1 MAP kinase. Molecular Biology of the Cell, 2018, 29, 66-74.	2.1	6
54	A Novel Assay Reveals a Maturation Process during Ascospore Wall Formation. Journal of Fungi (Basel, Switzerland), 2017, 3, 54.	3.5	5

#	Article	IF	Citations
55	A Noncanonical Hippo Pathway Regulates Spindle Disassembly and Cytokinesis During Meiosis in Saccharomyces cerevisiae. Genetics, 2020, 216, 447-462.	2.9	4
56	Examination and Disruption of the Yeast Cell Wall. Cold Spring Harbor Protocols, 2016, 2016, pdb.top078659.	0.3	3
57	Eighth International Chorea-Acanthocytosis Symposium: Summary of Workshop Discussion and Action Points. Tremor and Other Hyperkinetic Movements, 2017, 7, 428.	2.0	2
58	Assay for Spore Wall Integrity Using a Yeast Predator. Cold Spring Harbor Protocols, 2016, 2016, pdb.prot085258.	0.3	1