

# Aaron M Neiman

## List of Publications by Year in descending order

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58  
papers

3,353  
citations

185998

28  
h-index

149479

56  
g-index

75  
all docs

75  
docs citations

75  
times ranked

3184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perinuclear localization of chromatin facilitates transcriptional silencing. <i>Nature</i> , 1998, 394, 592-595.	13.7	433
2	Sporulation in the Budding Yeast <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2011, 189, 737-765.	1.2	324
3	Ascospore Formation in the Yeast <i>Saccharomyces cerevisiae</i> . <i>Microbiology and Molecular Biology Reviews</i> , 2005, 69, 565-584.	2.9	192
4	Prospore Membrane Formation Defines a Developmentally Regulated Branch of the Secretory Pathway in Yeast. <i>Journal of Cell Biology</i> , 1998, 140, 29-37.	2.3	191
5	Positive and Negative Regulation of a SNARE Protein by Control of Intracellular Localization. <i>Molecular Biology of the Cell</i> , 2004, 15, 1802-1815.	0.9	168
6	The Yeast Spore Wall Enables Spores to Survive Passage through the Digestive Tract of <i>Drosophila</i> . <i>PLoS ONE</i> , 2008, 3, e2873.	1.1	149
7	Yeast Vps13 promotes mitochondrial function and is localized at membrane contact sites. <i>Molecular Biology of the Cell</i> , 2016, 27, 2435-2449.	0.9	143
8	Phospholipase D and the SNARE Sso1p are necessary for vesicle fusion during sporulation in yeast. <i>Journal of Cell Science</i> , 2006, 119, 1406-1415.	1.2	110
9	Morphogenetic Pathway of Spore Wall Assembly in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2004, 3, 1464-1475.	3.4	103
10	Identification of Domains Required for Developmentally Regulated SNARE Function in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2000, 155, 1643-1655.	1.2	103
11	<i>VPS13</i> Regulates Membrane Morphogenesis During Sporulation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Science</i> , 2012, 125, 3004-11.	1.2	90
12	A Gip1p-Glc7p phosphatase complex regulates septin organization and spore wall formation. <i>Journal of Cell Biology</i> , 2001, 155, 797-808.	2.3	88
13	Mek1 Down Regulates Rad51 Activity during Yeast Meiosis by Phosphorylation of Hed1. <i>PLoS Genetics</i> , 2016, 12, e1006226.	1.5	76
14	A phosphatidylinositol transfer protein integrates phosphoinositide signaling with lipid droplet metabolism to regulate a developmental program of nutrient stress-induced membrane biogenesis. <i>Molecular Biology of the Cell</i> , 2014, 25, 712-727.	0.9	71
15	The Anaphase Promoting Complex Targeting Subunit Ama1 Links Meiotic Exit to Cytokinesis during Sporulation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2009, 20, 134-145.	0.9	65
16	Interspore bridges: a new feature of the <i>Saccharomyces cerevisiae</i> spore wall. <i>Microbiology (United Kingdom)</i> , 2017, 161, 107-114.	0.7	54
17	<i>SPO21</i> Is Required for Meiosis-specific Modification of the Spindle Pole Body in Yeast. <i>Molecular Biology of the Cell</i> , 2001, 12, 1611-1621.	0.9	53
18	Alternative Modes of Organellar Segregation during Sporulation in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 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 <i>S. cerevisiae</i> . <i>PLoS Genetics</i> , 2013, 9, e1003700.	1.5	52
20	Erv14 family cargo receptors are necessary for ER exit during sporulation in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Science</i> , 2007, 120, 908-916.	1.2	50
21	<i>In Vitro</i> Fusion Catalyzed by the Sporulation-Specific SNARE Light Chain Spo20p is Stimulated by Phosphatidic Acid. <i>Traffic</i> , 2007, 8, 1630-1643.	1.3	49
22	Ady4p and Spo74p Are Components of the Meiotic Spindle Pole Body That Promote Growth of the Prospore Membrane in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2003, 2, 431-445.	3.4	48
23	GAS2 and GAS4, a Pair of Developmentally Regulated Genes Required for Spore Wall Assembly in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2007, 6, 302-316.	3.4	48
24	XK is a partner for VPS13A: a molecular link between Chorea-Acanthocytosis and McLeod Syndrome. <i>Molecular Biology of the Cell</i> , 2020, 31, 2425-2436.	0.9	42
25	<i>SPO71</i> Encodes a Developmental Stage-Specific Partner for Vps13 in <i>Saccharomyces cerevisiae</i> . <i>Eukaryotic Cell</i> , 2013, 12, 1530-1537.	3.4	41
26	Ady3p Links Spindle Pole Body Function to Spore Wall Synthesis in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2002, 160, 1439-1450.	1.2	39
27	A Screen for Spore Wall Permeability Mutants Identifies a Secreted Protease Required for Proper Spore Wall Assembly. <i>PLoS ONE</i> , 2009, 4, e7184.	1.1	36
28	Congenital valvular defects associated with deleterious mutations in the <i>PLD1</i> gene. <i>Journal of Medical Genetics</i> , 2017, 54, 278-286.	1.5	36
29	Sequestration of mRNAs Modulates the Timing of Translation during Meiosis in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2015, 35, 3448-3458.	1.1	28
30	Septins localize to microtubules during nutritional limitation in <i>Saccharomyces cerevisiae</i> . <i>BMC Cell Biology</i> , 2008, 9, 55.	3.0	27
31	Fungal Pathogens: Shape-Shifting Invaders. <i>Trends in Microbiology</i> , 2020, 28, 922-933.	3.5	27
32	A Conserved Function in Phosphatidylinositol Metabolism for Mammalian Vps13 Family Proteins. <i>PLoS ONE</i> , 2015, 10, e0124836.	1.1	27
33	Genetic Evidence of a Role for Membrane Lipid Composition in the Regulation of Soluble NEM-Sensitive Factor Receptor Function in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2004, 166, 89-97.	1.2	26
34	A Visual Screen of Protein Localization during Sporulation Identifies New Components of Prospore Membrane-Associated Complexes in Budding Yeast. <i>Eukaryotic Cell</i> , 2014, 13, 383-391.	3.4	26
35	Regulation of Spindle Pole Function by an Intermediary Metabolite. <i>Molecular Biology of the Cell</i> , 2004, 15, 2606-2616.	0.9	23
36	<i>Cdc15</i> Is Required for Spore Morphogenesis Independently of <i>Cdc14</i> in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2007, 177, 281-293.	1.2	22

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37	Unconventional Constituents and Shared Molecular Architecture of the Melanized Cell Wall of <i>C. neoformans</i> and Spore Wall of <i>S. cerevisiae</i> . <i>Journal of Fungi</i> (Basel, Switzerland), 2020, 6, 329.	1.5	21
38	Vesicle Docking to the Spindle Pole Body Is Necessary to Recruit the Exocyst During Membrane Formation in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2010, 21, 3693-3707.	0.9	19
39	Post-transcriptional regulation in budding yeast meiosis. <i>Current Genetics</i> , 2016, 62, 313-315.	0.8	19
40	Long-Chain Polyprenols Promote Spore Wall Formation in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2017, 207, 1371-1386.	1.2	18
41	Predicted RNA Binding Proteins Pes4 and Mip6 Regulate mRNA Levels, Translation, and Localization during Sporulation in Budding Yeast. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	17
42	Developmentally regulated internal transcription initiation during meiosis in budding yeast. <i>PLoS ONE</i> , 2017, 12, e0188001.	1.1	16
43	Binding interactions control SNARE specificity in vivo. <i>Journal of Cell Biology</i> , 2008, 183, 1089-1100.	2.3	15
44	A Genome-Wide Screen for Sporulation-Defective Mutants in <i>Schizosaccharomyces pombe</i> . <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 1173-1182.	0.8	15
45	Suppression of Vps13 adaptor protein mutants reveals a central role for PI4P in regulating prospore membrane extension. <i>PLoS Genetics</i> , 2021, 17, e1009727.	1.5	12
46	Protein Phosphatase Type 1-Interacting Protein Ysw1 Is Involved in Proper Septin Organization and Prospore Membrane Formation during Sporulation. <i>Eukaryotic Cell</i> , 2009, 8, 1027-1037.	3.4	11
47	The JmjC domain of Gis1 is dispensable for transcriptional activation. <i>FEMS Yeast Research</i> , 2010, 10, 793-801.	1.1	11
48	Membrane assembly modulates the stability of the meiotic spindle-pole body. <i>Journal of Cell Science</i> , 2010, 123, 2481-2490.	1.2	9
49	Dynamic localization of a yeast development-specific PP1 complex during prospore membrane formation is dependent on multiple localization signals and complex formation. <i>Molecular Biology of the Cell</i> , 2017, 28, 3881-3895.	0.9	9
50	A Conserved Machinery Underlies the Synthesis of a Chitosan Layer in the <i>Candida</i> Chlamydospore Cell Wall. <i>MSphere</i> , 2021, 6, .	1.3	9
51	In vitro reconstitution of the yeast spore wall dityrosine layer discloses the mechanism of its assembly. <i>Journal of Biological Chemistry</i> , 2017, 292, 15880-15891.	1.6	8
52	Genetic Dissection of Vps13 Regulation in Yeast Using Disease Mutations from Human Orthologs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6200.	1.8	8
53	The meiosis-specific Cdc20 family-member Ama1 promotes binding of the Ssp2 activator to the Smk1 MAP kinase. <i>Molecular Biology of the Cell</i> , 2018, 29, 66-74.	0.9	6
54	A Novel Assay Reveals a Maturation Process during Ascospore Wall Formation. <i>Journal of Fungi</i> (Basel, Switzerland), 2017, 3, 54.	1.5	5

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55	A Noncanonical Hippo Pathway Regulates Spindle Disassembly and Cytokinesis During Meiosis in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2020, 216, 447-462.	1.2	4
56	Examination and Disruption of the Yeast Cell Wall. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.top078659.	0.2	3
57	Eighth International Chorea-Acanthocytosis Symposium: Summary of Workshop Discussion and Action Points. <i>Tremor and Other Hyperkinetic Movements</i> , 2017, 7, 428.	1.1	2
58	Assay for Spore Wall Integrity Using a Yeast Predator. <i>Cold Spring Harbor Protocols</i> , 2016, 2016, pdb.prot085258.	0.2	1