Wolfram Antonin

List of Publications by Year
in descending order

64	5,203	81743	128067
papers	citations	39 h-index	60 g-index

70	70	70	4803
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In situ structural analysis of the human nuclear pore complex. Nature, 2015, 526, 140-143.	13.7	361
2	Mixed and Non-cognate SNARE Complexes. Journal of Biological Chemistry, 1999, 274, 15440-15446.	1.6	271
3	A SNARE complex mediating fusion of late endosomes defines conserved properties of SNARE structure and function. EMBO Journal, 2000, 19, 6453-6464.	3.5	245
4	Crystal structure of the endosomal SNARE complex reveals common structural principles of all SNAREs. Nature Structural Biology, 2002, 9, 107-111.	9.7	239
5	Phosphorylation of Nup98 by Multiple Kinases Is Crucial for NPC Disassembly during Mitotic Entry. Cell, 2011, 144, 539-550.	13.5	231
6	MELâ€28/ELYS is required for the recruitment of nucleoporins to chromatin and postmitotic nuclear pore complex assembly. EMBO Reports, 2007, 8, 165-172.	2.0	229
7	The Conserved Transmembrane Nucleoporin NDC1 Is Required for Nuclear Pore Complex Assembly in Vertebrate Cells. Molecular Cell, 2006, 22, 93-103.	4.5	210
8	Selective Interaction of Complexin with the Neuronal SNARE Complex. Journal of Biological Chemistry, 2000, 275, 19808-19818.	1.6	162
9	Mutations in nuclear pore genes NUP93, NUP205 and XPO5 cause steroid-resistant nephrotic syndrome. Nature Genetics, 2016, 48, 457-465.	9.4	149
10	The R-SNARE Endobrevin/VAMP-8 Mediates Homotypic Fusion of Early Endosomes and Late Endosomes. Molecular Biology of the Cell, 2000, 11, 3289-3298.	0.9	145
11	SNARE assembly and disassembly exhibit a pronounced hysteresis. Nature Structural Biology, 2002, 9, 144-151.	9.7	141
12	The Integral Membrane Nucleoporin pom121 Functionally Links Nuclear Pore Complex Assembly and Nuclear Envelope Formation. Molecular Cell, 2005, 17, 83-92.	4.5	138
13	Nup153 Recruits the Nup107-160 Complex to the Inner Nuclear Membrane for Interphasic Nuclear Pore Complex Assembly. Developmental Cell, 2015, 33, 717-728.	3.1	132
14	Rab3D Is Not Required for Exocrine Exocytosis but for Maintenance of Normally Sized Secretory Granules. Molecular and Cellular Biology, 2002, 22, 6487-6497.	1.1	121
15	Nuclear pore complex assembly through the cell cycle: Regulation and membrane organization. FEBS Letters, 2008, 582, 2004-2016.	1.3	118
16	The nucleoporin Nup188 controls passage of membrane proteins across the nuclear pore complex. Journal of Cell Biology, 2010, 189, 1129-1142.	2.3	118
17	Chromosome condensation and decondensation during mitosis. Current Opinion in Cell Biology, 2016, 40, 15-22.	2.6	106
18	Mitotic Disassembly of Nuclear Pore Complexes Involves CDK1- and PLK1-Mediated Phosphorylation of Key Interconnecting Nucleoporins. Developmental Cell, 2017, 43, 141-156.e7.	3.1	105

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19	Identification of SNAREs Involved in Regulated Exocytosis in the Pancreatic Acinar Cell. Journal of Biological Chemistry, 1999, 274, 22871-22876.	1.6	104
20	Dimerization and direct membrane interaction of Nup53 contribute to nuclear pore complex assembly. EMBO Journal, 2012, 31, 4072-4084.	3.5	104
21	The Dynamic Nature of the Nuclear Envelope. Current Biology, 2018, 28, R487-R497.	1.8	101
22	Nup155 regulates nuclear envelope and nuclear pore complex formation in nematodes and vertebrates. EMBO Journal, 2005, 24, 3519-3531.	3.5	98
23	The SNAREs vti1a and vti1b have distinct localization and SNARE complex partners. European Journal of Cell Biology, 2002, 81, 273-280.	1.6	97
24	The SNARE Vti1a-Î² Is Localized to Small Synaptic Vesicles and Participates in a Novel SNARE Complex. Journal of Neuroscience, 2000, 20, 5724-5732.	1.7	89
25	Mutations in multiple components of the nuclear pore complex cause nephrotic syndrome. Journal of Clinical Investigation, 2018, 128, 4313-4328.	3.9	89
26	Exocytotic mechanism studied by truncated and zero layer mutants of the C-terminus of SNAP-25. EMBO Journal, 2000, 19, 1279-1289.	3.5	87
27	A role for gp210 in mitotic nuclear-envelope breakdown. Journal of Cell Science, 2008, 121, 317-328.	1.2	84
28	Crystal Structure of the Herpesvirus Nuclear Egress Complex Provides Insights into Inner Nuclear Membrane Remodeling. Cell Reports, 2015, 13, 2645-2652.	2.9	80
29	Building a nuclear envelope at the end of mitosis: coordinating membrane reorganization, nuclear pore complex assembly, and chromatin de-condensation. Chromosoma, 2012, 121, 539-554.	1.0	72
30	A Single Herpesvirus Protein Can Mediate Vesicle Formation in the Nuclear Envelope. Journal of Biological Chemistry, 2015, 290, 6962-6974.	1.6	70
31	Nuclear Reformation at the End of Mitosis. Journal of Molecular Biology, 2016, 428, 1962-1985.	2.0	68
32	The N-terminal Domains of Syntaxin 7 and vti1b Form Three-helix Bundles That Differ in Their Ability to Regulate SNARE Complex Assembly. Journal of Biological Chemistry, 2002, 277, 36449-36456.	1.6	63
33	The C-terminal domain of Nup93 is essential for assembly of the structural backbone of nuclear pore complexes. Molecular Biology of the Cell, 2012, 23, 740-749.	0.9	63
34	Nup53 interaction with Ndc1 and Nup155 are required for nuclear pore complex assembly. Journal of Cell Science, 2014, 127, 908-21.	1.2	61
35	The inner nuclear membrane protein Lem2 is critical for normal nuclear envelope morphology. FEBS Letters, 2006, 580, 6435-6441.	1.3	56
36	Mitotic disassembly and reassembly of nuclear pore complexes. Trends in Cell Biology, 2021, 31, 1019-1033.	3.6	54

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37	The diverse roles of the Nup93/Nic96 complex proteins â€“ structural scaffolds of the nuclear pore complex with additional cellular functions. Biological Chemistry, 2014, 395, 515-528.	1.2	53
38	Perforating the nuclear boundary â€“ how nuclear pore complexes assemble. Journal of Cell Science, 2016, 129, 4439-4447.	1.2	51
39	NLSâ€mediated NPC functions of the nucleoporin Pom121. FEBS Letters, 2010, 584, 3292-3298.	1.3	48
40	Traversing the NPC along the pore membrane. Nucleus, 2011, 2, 87-91.	0.6	47
41	RuvB-like ATPases Function in Chromatin Decondensation at the End of Mitosis. Developmental Cell, 2014, 31, 305-318.	3.1	36
42	Interactions between Spc2p and Other Components of the Endoplasmic Reticulum Translocation Sites of the YeastSaccharomyces cerevisiae. Journal of Biological Chemistry, 2000, 275, 34068-34072.	1.6	32
43	Loss of the Zymogen Granule Protein Syncollin Affects Pancreatic Protein Synthesis and Transport but Not Secretion. Molecular and Cellular Biology, 2002, 22, 1545-1554.	1.1	30
44	Nuclear pore complexes: Round the bend?. Nature Cell Biology, 2005, 7, 10-12.	4.6	30
45	The lysine demethylase LSD1 is required for nuclear envelope formation at the end of mitosis. Journal of Cell Science, 2015, 128, 3466-77.	1.2	28
46	Developmentally Regulated GTP binding protein 1 (DRG1) controls microtubule dynamics. Scientific Reports, 2017, 7, 9996.	1.6	26
47	Membrane binding of and a self-inhibitory interaction within Nup155 are required for nuclear pore complex formation. Journal of Cell Science, 2018, 131, .	1.2	24
48	Detection of 100% of the CFTR mutations in 63 CF families from Tyrol. Clinical Genetics, 1997, 52, 240-246.	1.0	20
49	Chromosome alignment maintenance requires the MAP RECQL4, mutated in the Rothmundâ€“Thomson syndrome. Life Science Alliance, 2019, 2, e201800120.	1.3	16
50	VPS72/YL1-Mediated H2A.Z Deposition Is Required for Nuclear Reassembly after Mitosis. Cells, 2020, 9, 1702.	1.8	15
51	Nuclear Envelope: Membrane Bending for Pore Formation?. Current Biology, 2009, 19, R410-R412.	1.8	13
52	Xenopus In Vitro Assays to Analyze the Function of Transmembrane Nucleoporins and Targeting of Inner Nuclear Membrane Proteins. Methods in Cell Biology, 2014, 122, 193-218.	0.5	13
53	Dunking into the Lipid Bilayer: How Direct Membrane Binding of Nucleoporins Can Contribute to Nuclear Pore Complex Structure and Assembly. Cells, 2021, 10, 3601.	1.8	13
54	Biallelic Variants in the Nuclear Pore Complex Protein NUP93 Are Associated with Non-progressive Congenital Ataxia. Cerebellum, 2019, 18, 422-432.	1.4	10

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55	The nucleoporin Nup50 activates the Ran guanine nucleotide exchange factor RCC1 to promote NPC assembly at the end of mitosis. EMBO Journal, 2021, 40, e108788.	3.5	10
56	MISTIC-fusion proteins as antigens for high quality membrane protein antibodies. Scientific Reports, 2017, 7, 41519.	1.6	7
57	Nuclear Pore Complexes: Global Conservation andÂLocal Variation. Current Biology, 2018, 28, R674-R677.	1.8	7
58	Donâ€™t get stuck in the pore. EMBO Journal, 2012, 32, 173-175.	3.5	4
59	<scp>FXR</scp> proteins bring new perspectives to nucleoporins' homeostasis. EMBO Journal, 2020, 39, e106510.	3.5	3
60	Cellcyclegan: Spatiotemporal Microscopy Image Synthesis Of Cell Populations Using Statistical Shape Models And Conditional Gans. , 2021, , .		3
61	Breaking the Y. PLoS Genetics, 2019, 15, e1008109.	1.5	1
62	Nup50 plays more than one instrument. Cell Cycle, 2022, 21, 1785-1794.	1.3	1
63	A Cell Free Assay to Study Chromatin Decondensation at the End of Mitosis. Journal of Visualized Experiments, 2015, , e53407.	0.2	0
64	Nuclear Pore Complex Assembly Using Xenopus Egg Extract. Methods in Molecular Biology, 2022, 2502, 51-66.	0.4	0