Wolfram Antonin

List of Publications by Year
in descending order

64 papers	5,203 citations	81743 39 h-index	128067 60 g-index
70 all docs	70 docs citations	70 times ranked	4803 citing authors

#	Article	IF	Citations
1	Nuclear Pore Complex Assembly Using Xenopus Egg Extract. Methods in Molecular Biology, 2022, 2502, 51-66.	0.4	0
2	Nup50 plays more than one instrument. Cell Cycle, 2022, 21, 1785-1794.	1.3	1
3	Cellcyclegan: Spatiotemporal Microscopy Image Synthesis Of Cell Populations Using Statistical Shape Models And Conditional Gans. , 2021, , .		3
4	Mitotic disassembly and reassembly of nuclear pore complexes. Trends in Cell Biology, 2021, 31, 1019-1033.	3.6	54
5	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
6	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
7	VPS72/YL1-Mediated H2A.Z Deposition Is Required for Nuclear Reassembly after Mitosis. Cells, 2020, 9, 1702.	1.8	15
8	<scp>FXR</scp> proteins bring new perspectives to nucleoporins' homeostasis. EMBO Journal, 2020, 39, e106510.	3.5	3
9	Breaking the Y. PLoS Genetics, 2019, 15, e1008109.	1.5	1
10	Biallelic Variants in the Nuclear Pore Complex Protein NUP93 Are Associated with Non-progressive Congenital Ataxia. Cerebellum, 2019, 18, 422-432.	1.4	10
11	Chromosome alignment maintenance requires the MAP RECQL4, mutated in the Rothmundâ€"Thomson syndrome. Life Science Alliance, 2019, 2, e201800120.	1.3	16
12	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
13	The Dynamic Nature of the Nuclear Envelope. Current Biology, 2018, 28, R487-R497.	1.8	101
14	Mutations in multiple components of the nuclear pore complex cause nephrotic syndrome. Journal of Clinical Investigation, 2018, 128, 4313-4328.	3.9	89
15	Nuclear Pore Complexes: Global Conservation andÂLocal Variation. Current Biology, 2018, 28, R674-R677.	1.8	7
16	MISTIC-fusion proteins as antigens for high quality membrane protein antibodies. Scientific Reports, 2017, 7, 41519.	1.6	7
17	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
18	Developmentally Regulated GTP binding protein 1 (DRG1) controls microtubule dynamics. Scientific Reports, 2017, 7, 9996.	1.6	26

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19	Perforating the nuclear boundary â€“ how nuclear pore complexes assemble. Journal of Cell Science, 2016, 129, 4439-4447.	1.2	51
20	Mutations in nuclear pore genes NUP93, NUP205 and XPO5 cause steroid-resistant nephrotic syndrome. Nature Genetics, 2016, 48, 457-465.	9.4	149
21	Chromosome condensation and decondensation during mitosis. Current Opinion in Cell Biology, 2016, 40, 15-22.	2.6	106
22	Nuclear Reformation at the End of Mitosis. Journal of Molecular Biology, 2016, 428, 1962-1985.	2.0	68
23	Crystal Structure of the Herpesvirus Nuclear Egress Complex Provides Insights into Inner Nuclear Membrane Remodeling. Cell Reports, 2015, 13, 2645-2652.	2.9	80
24	A Cell Free Assay to Study Chromatin Decondensation at the End of Mitosis. Journal of Visualized Experiments, 2015, , e53407.	0.2	0
25	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
26	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
27	A Single Herpesvirus Protein Can Mediate Vesicle Formation in the Nuclear Envelope. Journal of Biological Chemistry, 2015, 290, 6962-6974.	1.6	70
28	In situ structural analysis of the human nuclear pore complex. Nature, 2015, 526, 140-143.	13.7	361
29	Nup53 interaction with Ndc1 and Nup155 are required for nuclear pore complex assembly. Journal of Cell Science, 2014, 127, 908-21.	1.2	61
30	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
31	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
32	RuvB-like ATPases Function in Chromatin Decondensation at the End of Mitosis. Developmental Cell, 2014, 31, 305-318.	3.1	36
33	Donâ€™t get stuck in the pore. EMBO Journal, 2012, 32, 173-175.	3.5	4
34	Dimerization and direct membrane interaction of Nup53 contribute to nuclear pore complex assembly. EMBO Journal, 2012, 31, 4072-4084.	3.5	104
35	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
36	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

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37	Phosphorylation of Nup98 by Multiple Kinases Is Crucial for NPC Disassembly during Mitotic Entry. Cell, 2011, 144, 539-550.	13.5	231
38	Traversing the NPC along the pore membrane. Nucleus, 2011, 2, 87-91.	0.6	47
39	NLSâ€mediated NPC functions of the nucleoporin Pom121. FEBS Letters, 2010, 584, 3292-3298.	1.3	48
40	The nucleoporin Nup188 controls passage of membrane proteins across the nuclear pore complex. Journal of Cell Biology, 2010, 189, 1129-1142.	2.3	118
41	Nuclear Envelope: Membrane Bending for Pore Formation?. Current Biology, 2009, 19, R410-R412.	1.8	13
42	Nuclear pore complex assembly through the cell cycle: Regulation and membrane organization. FEBS Letters, 2008, 582, 2004-2016.	1.3	118
43	A role for gp210 in mitotic nuclear-envelope breakdown. Journal of Cell Science, 2008, 121, 317-328.	1.2	84
44	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
45	The inner nuclear membrane protein Lem2 is critical for normal nuclear envelope morphology. FEBS Letters, 2006, 580, 6435-6441.	1.3	56
46	The Conserved Transmembrane Nucleoporin NDC1 Is Required for Nuclear Pore Complex Assembly in Vertebrate Cells. Molecular Cell, 2006, 22, 93-103.	4.5	210
47	Nuclear pore complexes: Round the bend?. Nature Cell Biology, 2005, 7, 10-12.	4.6	30
48	Nup155 regulates nuclear envelope and nuclear pore complex formation in nematodes and vertebrates. EMBO Journal, 2005, 24, 3519-3531.	3.5	98
49	The Integral Membrane Nucleoporin pom121 Functionally Links Nuclear Pore Complex Assembly and Nuclear Envelope Formation. Molecular Cell, 2005, 17, 83-92.	4.5	138
50	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
51	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
52	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
53	The SNAREs vti1a and vti1b have distinct localization and SNARE complex partners. European Journal of Cell Biology, 2002, 81, 273-280.	1.6	97
54	Crystal structure of the endosomal SNARE complex reveals common structural principles of all SNAREs. Nature Structural Biology, 2002, 9, 107-111.	9.7	239

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55	SNARE assembly and disassembly exhibit a pronounced hysteresis. Nature Structural Biology, 2002, 9, 144-151.	9.7	141
56	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
57	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
58	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
59	Selective Interaction of Complexin with the Neuronal SNARE Complex. Journal of Biological Chemistry, 2000, 275, 19808-19818.	1.6	162
60	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
61	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
62	Identification of SNAREs Involved in Regulated Exocytosis in the Pancreatic Acinar Cell. Journal of Biological Chemistry, 1999, 274, 22871-22876.	1.6	104
63	Mixed and Non-cognate SNARE Complexes. Journal of Biological Chemistry, 1999, 274, 15440-15446.	1.6	271
64	Detection of 100% of the CFTR mutations in 63 CF families from Tyrol. Clinical Genetics, 1997, 52, 240-246.	1.0	20