

Andre Hoelz

List of Publications by Year in descending order

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47
papers

4,125
citations

126907

33
h-index

233421

45
g-index

54
all docs

54
docs citations

54
times ranked

4947
citing authors

#	ARTICLE	IF	CITATIONS
1	The Structure of the Nuclear Pore Complex. Annual Review of Biochemistry, 2011, 80, 613-643.	11.1	461
2	Structural Evidence for Feedback Activation by Ras-GTP of the Ras-Specific Nucleotide Exchange Factor SOS. Cell, 2003, 112, 685-695.	28.9	390
3	The Structure of the Nuclear Pore Complex (An Update). Annual Review of Biochemistry, 2019, 88, 725-783.	11.1	302
4	Crystal structure and mechanism of human lysine-specific demethylase-1. Nature Structural and Molecular Biology, 2006, 13, 626-632.	8.2	237
5	Architecture of the symmetric core of the nuclear pore. Science, 2016, 352, aaf1015.	12.6	223
6	Crystal Structure of a Tetradecameric Assembly of the Association Domain of Ca ²⁺ /Calmodulin-Dependent Kinase II. Molecular Cell, 2003, 11, 1241-1251.	9.7	164
7	A conserved quality-control pathway that mediates degradation of unassembled ribosomal proteins. ELife, 2016, 5, .	6.0	147
8	Architecture of the fungal nuclear pore inner ring complex. Science, 2015, 350, 56-64.	12.6	125
9	Architecture of a Coat for the Nuclear Pore Membrane. Cell, 2007, 131, 1313-1326.	28.9	124
10	Structural and Functional Analysis of Human SIRT1. Journal of Molecular Biology, 2014, 426, 526-541.	4.2	122
11	A Fence-like Coat for the Nuclear Pore Membrane. Molecular Cell, 2008, 32, 815-826.	9.7	117
12	Structure of Nup58/45 Suggests Flexible Nuclear Pore Diameter by Intermolecular Sliding. Science, 2007, 315, 1729-1732.	12.6	106
13	Architecture of the nuclear pore complex coat. Science, 2015, 347, 1148-1152.	12.6	104
14	Structural and functional analysis of the interaction between the nucleoporin Nup98 and the mRNA export factor Rae1. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10406-10411.	7.1	99
15	Oligomerization states of the association domain and the holoenzyme of Ca ²⁺ /CaM kinase II. FEBS Journal, 2006, 273, 682-694.	4.7	92
16	Structural and functional analysis of the interaction between the nucleoporin Nup214 and the DEAD-box helicase Ddx19. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3089-3094.	7.1	88
17	A Dimeric Kinase Assembly Underlying Autophosphorylation in the p21 Activated Kinases. Journal of Molecular Biology, 2006, 361, 312-326.	4.2	82
18	Structural and functional analysis of Nup120 suggests ring formation of the Nup84 complex. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14281-14286.	7.1	74

#	ARTICLE	IF	CITATIONS
19	Toward the atomic structure of the nuclear pore complex: when top down meets bottom up. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 624-630.	8.2	74
20	Coordinated Ribosomal L4 Protein Assembly into the Pre-Ribosome Is Regulated by Its Eukaryote-Specific Extension. <i>Molecular Cell</i> , 2015, 58, 854-862.	9.7	69
21	Architecture of the cytoplasmic face of the nuclear pore. <i>Science</i> , 2022, 376, .	12.6	65
22	Structural and functional analysis of an essential nucleoporin heterotrimer on the cytoplasmic face of the nuclear pore complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16571-16576.	7.1	59
23	Crystal structure of the N-terminal domain of the human protooncogene Nup214/CAN. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1783-1788.	7.1	57
24	Structure of a trimeric nucleoporin complex reveals alternate oligomerization states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17693-17698.	7.1	57
25	Gene structures and properties of enzymes of the plasmid-encoded nicotine catabolism of <i>Arthrobacter nicotinovorans</i> 1 Edited by J. Karn. <i>Journal of Molecular Biology</i> , 1998, 284, 1323-1339.	4.2	55
26	Molecular basis for the autoregulation of the protein acetyl transferase Rtt109. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12236-12241.	7.1	55
27	Structural and Functional Analysis of the C-Terminal Domain of Nup358/RanBP2. <i>Journal of Molecular Biology</i> , 2013, 425, 1318-1329.	4.2	54
28	Structural and functional analysis of mRNA export regulation by the nuclear pore complex. <i>Nature Communications</i> , 2018, 9, 2319.	12.8	52
29	Architecture of the linker-scaffold in the nuclear pore. <i>Science</i> , 2022, 376, .	12.6	51
30	Popping out of the nucleus. <i>Nature</i> , 2004, 432, 815-816.	27.8	45
31	Crystal Structure of the SH3 Domain of Î²PIX in Complex with a High Affinity Peptide from PAK2. <i>Journal of Molecular Biology</i> , 2006, 358, 509-522.	4.2	45
32	Crystal structure of Î±-COP in complex with Î¼-COP provides insight into the architecture of the COPI vesicular coat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11271-11276.	7.1	45
33	Evidence for an evolutionary relationship between the large adaptor nucleoporin Nup192 and karyopherins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2530-2535.	7.1	44
34	Crystal Structure of the N-Terminal Domain of Nup358/RanBP2. <i>Journal of Molecular Biology</i> , 2012, 423, 752-765.	4.2	34
35	A new MR-SAD algorithm for the automatic building of protein models from low-resolution X-ray data and a poor starting model. <i>IUCr</i> , 2018, 5, 166-171.	2.2	33
36	Molecular Basis for the Anchoring of Proto-Oncoprotein Nup98 to the Cytoplasmic Face of the Nuclear Pore Complex. <i>Journal of Molecular Biology</i> , 2012, 419, 330-346.	4.2	30

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37	Molecular basis for protection of ribosomal protein L4 from cellular degradation. <i>Nature Communications</i> , 2017, 8, 14354.	12.8	29
38	Structural and Functional Characterization of the β -Tubulin Acetyltransferase MEC-17. <i>Journal of Molecular Biology</i> , 2014, 426, 2605-2616.	4.2	23
39	Histone-binding of DPF2 mediates its repressive role in myeloid differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6016-6021.	7.1	23
40	Structure of an Enclosed Dimer Formed by the <i>Drosophila</i> Period Protein. <i>Journal of Molecular Biology</i> , 2011, 413, 561-572.	4.2	19
41	Nuclear transport comes full circle. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 457-459.	8.2	9
42	Characterization of the membrane-coating Nup84 complex. <i>Nucleus</i> , 2010, 1, 150-157.	2.2	9
43	Characterization of the membrane-coating Nup84 complex: Paradigm for the nuclear pore complex structure. <i>Nucleus</i> , 2010, 1, 150-157.	2.2	9
44	Nucleoporin Condensates Drive Nuclear Pore Complex Assembly in Oocytes. <i>Trends in Biochemical Sciences</i> , 2020, 45, 278-280.	7.5	5
45	Forced entry into the nucleus. <i>Nature Cell Biology</i> , 2022, 24, 810-812.	10.3	1
46	Rae1: A new clue for nucleoporin leukemias. <i>Cell Cycle</i> , 2011, 10, 2059-2058.	2.6	0
47	Grantner Blobel (1936-2018). <i>Nature Cell Biology</i> , 2018, 20, 364-364.	10.3	0