Nelly Pante

List of Publications by Year
in descending order

59 papers	4,282 citations	147801 31 h-index	133252 59 g-index
60 all docs	60 docs citations	60 times ranked	4992 citing authors

#	Article	IF	Citations
1	Nuclear Pore Complex Is Able to Transport Macromolecules with Diameters of âˆ¼39 nm. Molecular Biology of the Cell, 2002, 13, 425-434.	2.1	702
2	The C-terminal domain of TAP interacts with the nuclear pore complex and promotes export of specific CTE-bearing RNA substrates. Rna, 2000, 6, 136-158.	3.5	298
3	Identification of Novel Antibacterial Peptides by Chemoinformatics and Machine Learning. Journal of Medicinal Chemistry, 2009, 52, 2006-2015.	6.4	250
4	Nuclear import of hepatitis B virus capsids and release of the viral genome. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9849-9854.	7.1	246
5	The Conserved Transmembrane Nucleoporin NDC1 Is Required for Nuclear Pore Complex Assembly in Vertebrate Cells. Molecular Cell, 2006, 22, 93-103.	9.7	210
6	Functional association of Sun1 with nuclear pore complexes. Journal of Cell Biology, 2007, 178, 785-798.	5.2	202
7	Screening and Characterization of Surface-Tethered Cationic Peptides for Antimicrobial Activity. Chemistry and Biology, 2009, 16, 58-69.	6.0	197
8	Molecular Dissection of the Nuclear Pore Complex. Critical Reviews in Biochemistry and Molecular Biology, 1996, 31, 153-199.	5.2	130
9	Nucleoporin 153 Arrests the Nuclear Import of Hepatitis B Virus Capsids in the Nuclear Basket. PLoS Pathogens, 2010, 6, e1000741.	4.7	128
10	How viruses access the nucleus. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1634-1645.	4.1	121
11	Toward the molecular dissection of protein import into nuclei. Current Opinion in Cell Biology, 1996, 8, 397-406.	5.4	106
12	Molecular Architecture of the Yeast Nuclear Pore Complex: Localization of Nsp1p Subcomplexes. Journal of Cell Biology, 1998, 143, 577-588.	5.2	106
13	Distinct mechanisms controlling rough and smooth endoplasmic reticulum-mitochondria contacts. Journal of Cell Science, 2015, 128, 2759-65.	2.0	92
14	Nuclear entry of DNA viruses. Frontiers in Microbiology, 2015, 6, 467.	3.5	87
15	Mlp2p, A Component of Nuclear Pore Attached Intranuclear Filaments, Associates with Nic96p. Journal of Biological Chemistry, 2000, 275, 343-350.	3.4	81
16	Nuclear import of influenza A viral ribonucleoprotein complexes is mediated by two nuclear localization sequences on viral nucleoprotein. Virology Journal, 2007, 4, 49.	3.4	81
17	HIV-1 remodels the nuclear pore complex. Journal of Cell Biology, 2011, 193, 619-631.	5.2	79
18	Effect of BMAP-28 Antimicrobial Peptides on Leishmania major Promastigote and Amastigote Growth: Role of Leishmanolysin in Parasite Survival. PLoS Neglected Tropical Diseases, 2011, 5, e1141.	3.0	70

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19	Intracellular Transport of Human Immunodeficiency Virus Type 1 Genomic RNA and Viral Production Are Dependent on Dynein Motor Function and Late Endosome Positioning. Journal of Biological Chemistry, 2009, 284, 14572-14585.	3.4	69
20	Towards understanding the three-dimensional structure of the nuclear pore complex at the molecular level. Current Opinion in Structural Biology, 1994, 4, 187-196.	5.7	65
21	Nuclear Envelope Disruption Involving Host Caspases Plays a Role in the Parvovirus Replication Cycle. Journal of Virology, 2011, 85, 4863-4874.	3.4	56
22	Parvoviral nuclear import: bypassing the host nuclear-transport machinery. Journal of General Virology, 2006, 87, 3209-3213.	2.9	54
23	Nup116p Associates with the Nup82p-Nsp1p-Nup159p Nucleoporin Complex. Journal of Biological Chemistry, 2000, 275, 23540-23548.	3.4	52
24	Parvoviruses Cause Nuclear Envelope Breakdown by Activating Key Enzymes of Mitosis. PLoS Pathogens, 2013, 9, e1003671.	4.7	51
25	Pushing the envelope: microinjection of Minute virus of mice into Xenopus oocytes causes damage to the nuclear envelope. Journal of General Virology, 2005, 86, 3243-3252.	2.9	47
26	The nucleoporin Nup153 maintains nuclear envelope architecture and is required for cell migration in tumor cells. FEBS Letters, 2010, 584, 3013-3020.	2.8	46
27	Bovine lactoferrin and lactoferricin interfere with intracellular trafficking of Herpes simplex virus-1. Biochimie, 2009, 91, 160-164.	2.6	45
28	Nup192p Is a Conserved Nucleoporin with a Preferential Location at the Inner Site of the Nuclear Membrane. Journal of Biological Chemistry, 1999, 274, 22646-22651.	3.4	44
29	Nuclear transport of baculovirus: Revealing the nuclear pore complex passage. Journal of Structural Biology, 2012, 177, 90-98.	2.8	44
30	The Importin Î² Binding Domain Modulates the Avidity of Importin Î² for the Nuclear Pore Complex. Journal of Biological Chemistry, 2010, 285, 13769-13780.	3.4	38
31	Ultrastructural Analysis of the Nuclear Localization Sequences on Influenza A Ribonucleoprotein Complexes. Journal of Molecular Biology, 2007, 374, 910-916.	4.2	32
32	HIV-1 enhances mTORC1 activity and repositions lysosomes to the periphery by co-opting Rag GTPases. Scientific Reports, 2017, 7, 5515.	3.3	31
33	The intermediate filament network protein, vimentin, is required for parvoviral infection. Virology, 2013, 444, 181-190.	2.4	29
34	The Yeast Nucleoporin Nup53p Specifically Interacts with Nic96p and Is Directly Involved in Nuclear Protein Import. Molecular Biology of the Cell, 2000, 11, 3885-3896.	2.1	28
35	Importin Î²-depending Nuclear Import Pathways: Role of the Adapter Proteins in the Docking and Releasing Steps. Molecular Biology of the Cell, 2003, 14, 2104-2115.	2.1	27
36	Cell Cycleâ€"Dependent Tumor Engraftment and Migration Are Enabled by Aurora-A. Molecular Cancer Research, 2018, 16, 16-31.	3.4	27

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37	Vimentin plays a role in the release of the influenza A viral genome from endosomes. Virology, 2016, 497, 41-52.	2.4	26
38	X-ray diffraction study of the structural changes accompanying phosphorylation of tarantula muscle. Journal of Muscle Research and Cell Motility, 1991, 12, 235-241.	2.0	25
39	Effect of Viral Infection on the Nuclear Envelope and Nuclear Pore Complex. International Review of Cell and Molecular Biology, 2012, 299, 117-159.	3.2	25
40	The chaperone dynein LL1 mediates cytoplasmic transport of empty and mature hepatitis B virus capsids. Journal of Hepatology, 2018, 68, 441-448.	3.7	24
41	Baculovirus Nuclear Import: Open, Nuclear Pore Complex (NPC) Sesame. Viruses, 2013, 5, 1885-1900.	3.3	23
42	A novel mechanism for nuclear import by actin-based propulsion used by the baculovirus nucleocapsid. Journal of Cell Science, 2016, 129, 2905-11.	2.0	21
43	Synergy of two low-affinity NLSs determines the high avidity of influenza A virus nucleoprotein NP for human importin Î± isoforms. Scientific Reports, 2017, 7, 11381.	3.3	20
44	Old foes, new understandings: nuclear entry of small non-enveloped DNA viruses. Current Opinion in Virology, 2015, 12, 59-65.	5.4	16
45	Microinjection of Xenopus laevis oocytes as a system for studying nuclear transport of viruses. Methods, 2010, 51, 114-120.	3.8	15
46	Use of Intact Xenopus Oocytes in Nucleocytoplasmic Transport Studies. Methods in Molecular Biology, 2006, 322, 301-314.	0.9	15
47	Nuclear import of spliceosomal snRNPsThis paper is one of a selection of papers published in this Special Issue, entitled The Nucleus: A Cell Within A Cell.. Canadian Journal of Physiology and Pharmacology, 2006, 84, 367-376.	1.4	14
48	Galectin-3 plays a role in minute virus of mice infection. Virology, 2015, 481, 63-72.	2.4	14
49	Microinjection of Xenopus Laevis Oocytes. Journal of Visualized Experiments, 2009, , .	0.3	12
50	Identification of a putative nuclear localization signal in the tumor suppressor maspin sheds light on its nuclear import regulation. FEBS Open Bio, 2019, 9, 1174-1183.	2.3	12
51	The minute virus of mice exploits different endocytic pathways for cellular uptake. Virology, 2015, 482, 157-166.	2.4	10
52	Nuclear transport of the <i>Neurospora crassa</i> NIT-2 transcription factor is mediated by importin-Î±. Biochemical Journal, 2017, 474, 4091-4104.	3.7	9
53	Proteomic analysis identifies a novel function for galectin-3 in the cell entry of parvovirus. Journal of Proteomics, 2013, 79, 123-132.	2.4	6
54	Nuclear Pore Complex Structure. Developmental Cell, 2004, 7, 780-781.	7.0	5

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55	Exploring Nuclear Pore Complex Molecular Architecture by Immuno-Electron Microscopy Using Xenopus Oocytes. Methods in Cell Biology, 2014, 122, 81-98.	1.1	5
56	Cell migration is another player of the minute virus of mice infection. Virology, 2014, 468-470, 150-159.	2.4	5
57	Examining the requirements for nucleoporins by HIV-1. Future Microbiology, 2011, 6, 1247-1250.	2.0	4
58	Carbon nanotubes as molecular transporters to study a new mechanism for molecular entry into the cell nucleus using actin polymerization force. PLoS ONE, 2019, 14, e0221562.	2.5	4
59	Molecular dissection of nuclear pore complex structure and nucleocytoplasmic transport. Biology of the Cell, 1998, 90, 275-276.	2.0	1