Susan Rae Wente

List of Publications by Year
in descending order

52 papers	4,456 citations	136950 32 h-index	168389 53 g-index
55 all docs	55 docs citations	55 times ranked	3571 citing authors

#	Article	IF	Citations
1	The Nuclear Pore Complex and Nuclear Transport. Cold Spring Harbor Perspectives in Biology, 2010, 2, a000562-a000562.	5.5	569
2	Minimal nuclear pore complexes define FG repeat domains essential for transport. Nature Cell Biology, 2004, 6, 197-206.	10.3	337
3	Simple rules for passive diffusion through the nuclear pore complex. Journal of Cell Biology, 2016, 215, 57-76.	5.2	337
4	Pores for thought: nuclear pore complex proteins. Trends in Cell Biology, 1994, 4, 357-365.	7.9	276
5	Inositol hexakisphosphate and Gle1 activate the DEAD-box protein Dbp5 for nuclear mRNA export. Nature Cell Biology, 2006, 8, 711-716.	10.3	270
6	An RNA-export mediator with an essential nuclear export signal. Nature, 1996, 383, 357-360.	27.8	224
7	The DEAD-Box Protein Dbp5 Controls mRNA Export by Triggering Specific RNA:Protein Remodeling Events. Molecular Cell, 2007, 28, 850-859.	9.7	200
8	ER membraneâ€“bending proteins are necessary for de novo nuclear pore formation. Journal of Cell Biology, 2009, 184, 659-675.	5.2	137
9	The mRNA Export Factor Gle1 and Inositol Hexakisphosphate Regulate Distinct Stages of Translation. Cell, 2008, 134, 624-633.	28.9	134
10	Deleterious mutations in the essential mRNA metabolism factor, hGle1, in amyotrophic lateral sclerosis. Human Molecular Genetics, 2015, 24, 1363-1373.	2.9	122
11	Nuclear mRNA export requires specific FG nucleoporins for translocation through the nuclear pore complex. Journal of Cell Biology, 2007, 178, 1121-1132.	5.2	111
12	The GLFG Regions of Nup116p and Nup100p Serve as Binding Sites for Both Kap95p and Mex67p at the Nuclear Pore Complex. Journal of Biological Chemistry, 2001, 276, 6445-6452.	3.4	109
13	The Ran GTPase cycle is required for yeast nuclear pore complex assembly. Journal of Cell Biology, 2003, 160, 1041-1053.	5.2	104
14	The Dbp5 cycle at the nuclear pore complex during mRNA export I: <i>dbp5</i> mutants with defects in RNA binding and ATP hydrolysis define key steps for Nup159 and Gle1. Genes and Development, 2011, 25, 1052-1064.	5.9	99
15	The Dbp5 cycle at the nuclear pore complex during mRNA export II: nucleotide cycling and mRNP remodeling by Dbp5 are controlled by Nup159 and Gle1. Genes and Development, 2011, 25, 1065-1077.	5.9	98
16	Inositol polyphosphates: a new frontier for regulating gene expression. Chromosoma, 2008, 117, 1-13.	2.2	91
17	Dbp5, Gle1-IP₆and Nup159. Nucleus, 2011, 2, 540-548.	2.2	91
18	A Nuclear Export Signal in Kap95p Is Required for Both Recycling the Import Factor and Interaction with the Nucleoporin GLFG Repeat Regions of Nup116p and Nup100p. Journal of Cell Biology, 1997, 137, 797-811.	5.2	84

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19	Interaction between the Shuttling mRNA Export Factor Gle1 and the Nucleoporin hCG1: A Conserved Mechanism in the Export of Hsp70 mRNA. Molecular Biology of the Cell, 2005, 16, 4304-4315.	2.1	70
20	Gle1 Functions during mRNA Export in an Oligomeric Complex that Is Altered in Human Disease. Cell, 2013, 155, 582-593.	28.9	70
21	Altering nuclear pore complex function impacts longevity and mitochondrial function in <i>S. cerevisiae</i>. Journal of Cell Biology, 2015, 208, 729-744.	5.2	55
22	Combining Spinach-tagged RNA and gene localization to image gene expression in live yeast. Nature Communications, 2015, 6, 8882.	12.8	55
23	An essential role for hGle1 nucleocytoplasmic shuttling in mRNA export. Journal of Cell Biology, 2003, 160, 1029-1040.	5.2	54
24	The mRNA Export Factor Human Gle1 Interacts with the Nuclear Pore Complex Protein Nup155. Molecular and Cellular Proteomics, 2004, 3, 145-155.	3.8	52
25	The Integral Membrane Protein Snl1p Is Genetically Linked to Yeast Nuclear Pore Complex Function. Molecular Biology of the Cell, 1998, 9, 355-373.	2.1	51
26	The Mitogen-Activated Protein Kinase Slt2 Regulates Nuclear Retention of Non-Heat Shock mRNAs during Heat Shock-Induced Stress. Molecular and Cellular Biology, 2010, 30, 5168-5179.	2.3	48
27	The Karyopherin Kap95 Regulates Nuclear Pore Complex Assembly into Intact Nuclear Envelopes In Vivo. Molecular Biology of the Cell, 2007, 18, 886-898.	2.1	47
28	A Novel Fluorescence-based Genetic Strategy Identifies Mutants ofSaccharomyces cerevisiaeDefective for Nuclear Pore Complex Assembly. Molecular Biology of the Cell, 1998, 9, 2439-2461.	2.1	45
29	Gle1 Is a Multifunctional DEAD-box Protein Regulator That Modulates Ded1 in Translation Initiation. Journal of Biological Chemistry, 2011, 286, 39750-39759.	3.4	40
30	Trafficking to uncharted territory of the nuclear envelope. Current Opinion in Cell Biology, 2012, 24, 341-349.	5.4	40
31	From Hypothesis to Mechanism: Uncovering Nuclear Pore Complex Links to Gene Expression. Molecular and Cellular Biology, 2014, 34, 2114-2120.	2.3	40
32	Nuclear pore complex integrity requires Lnp1, a regulator of cortical endoplasmic reticulum. Molecular Biology of the Cell, 2015, 26, 2833-2844.	2.1	38
33	Nup42 and <scp>IP₆</scp> coordinate Gle1 stimulation of Dbp5/<scp>DDX19B</scp> for <scp>mRNA</scp> export in yeast and human cells. Traffic, 2017, 18, 776-790.	2.7	37
34	Cytoplasmic hGle1A regulates stress granules by modulation of translation. Molecular Biology of the Cell, 2015, 26, 1476-1490.	2.1	36
35	A role for Gle1, a regulator of DEAD-box RNA helicases, at centrosomes and basal bodies. Molecular Biology of the Cell, 2017, 28, 120-127.	2.1	35
36	Nuclear Export of the Yeast mRNA-binding Protein Nab2 Is Linked to a Direct Interaction with Gfd1 and to Gle1 Function. Journal of Biological Chemistry, 2004, 279, 35384-35391.	3.4	32

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37	Insights into mRNA export-linked molecular mechanisms of human disease through a Gle1 structureâ€"function analysis. Advances in Biological Regulation, 2014, 54, 74-91.	2.3	29
38	Nucleoporin FG Domains Facilitate mRNP Remodeling at the Cytoplasmic Face of the Nuclear Pore Complex. Genetics, 2014, 197, 1213-1224.	2.9	28
39	An amyotrophic lateral sclerosis-linked mutation in GLE1 alters the cellular pool of human Gle1 functional isoforms. Advances in Biological Regulation, 2016, 62, 25-36.	2.3	21
40	Nup100 regulates <i>Saccharomyces cerevisiae</i> replicative life span by mediating the nuclear export of specific tRNAs. Rna, 2017, 23, 365-377.	3.5	21
41	MAPK- and glycogen synthase kinase 3â€"mediated phosphorylation regulates the DEAD-box protein modulator Gle1 for control of stress granule dynamics. Journal of Biological Chemistry, 2019, 294, 559-575.	3.4	20
42	Nuclear envelopeâ€"vacuole contacts mitigate nuclear pore complex assembly stress. Journal of Cell Biology, 2020, 219, .	5.2	18
43	Gle1 mediates stress granule-dependent survival during chemotoxic stress. Advances in Biological Regulation, 2019, 71, 156-171.	2.3	14
44	A Novel<i>Saccharomyces cerevisiae</i>FG Nucleoporin Mutant Collection for Use in Nuclear Pore Complex Functional Experiments. G3: Genes, Genomes, Genetics, 2016, 6, 51-58.	1.8	13
45	Nuclear transport: never-ending cycles of signals and receptors. Essays in Biochemistry, 2000, 36, 89-103.	4.7	11
46	Casein Kinase II Regulation of the Hot1 Transcription Factor Promotes Stochastic Gene Expression. Journal of Biological Chemistry, 2014, 289, 17668-17679.	3.4	9
47	Dbp5 associates with RNA-bound Mex67 and Nab2 and its localization at the nuclear pore complex is sufficient for mRNP export and cell viability. PLoS Genetics, 2020, 16, e1009033.	3.5	9
48	Functions of Gle1 are governed by two distinct modes of self-association. Journal of Biological Chemistry, 2020, 295, 16813-16825.	3.4	7
49	Structure and activation mechanism of the yeast RNA Pol II CTD kinase CTDK-1 complex. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
50	Zebrafish inositol polyphosphate kinases: New effectors of cilia and developmental signaling. Advances in Enzyme Regulation, 2010, 50, 309-323.	2.6	4
51	The Plk1 Piece of the Nuclear Envelope Disassembly Puzzle. Developmental Cell, 2017, 43, 115-117.	7.0	2
52	Spatial and temporal impacts on a career in science. Molecular Biology of the Cell, 2011, 22, 3923-3925.	2.1	1