

Sandra L Wolin

List of Publications by Year in descending order

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86
papers

7,767
citations

53794

45
h-index

62596

80
g-index

100
all docs

100
docs citations

100
times ranked

5018
citing authors

#	ARTICLE	IF	CITATIONS
1	Are snRNPs involved in splicing?. <i>Nature</i> , 1980, 283, 220-224.	27.8	1,264
2	Ro small cytoplasmic ribonucleoproteins are a subclass of La ribonucleoproteins: further characterization of the Ro and La small ribonucleoproteins from uninfected mammalian cells.. <i>Molecular and Cellular Biology</i> , 1981, 1, 1138-1149.	2.3	410
3	The La Protein. <i>Annual Review of Biochemistry</i> , 2002, 71, 375-403.	11.1	371
4	The Ro small cytoplasmic ribonucleoproteins: identification of the antigenic protein and its binding site on the Ro RNAs.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 1996-2000.	7.1	354
5	<i>Saccharomyces cerevisiae</i> telomerase is an Sm small nuclear ribonucleoprotein particle. <i>Nature</i> , 1999, 401, 177-180.	27.8	256
6	The Yeast La Protein Is Required for the 3' Endonucleolytic Cleavage That Matures tRNA Precursors. <i>Cell</i> , 1997, 89, 393-402.	28.9	250
7	Commensal orthologs of the human autoantigen Ro60 as triggers of autoimmunity in lupus. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	226
8	RNA under attack: Cellular handling of RNA damage. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2009, 44, 34-49.	5.2	192
9	Genes for two small cytoplasmic Ro RNAs are adjacent and appear to be single-copy in the human genome. <i>Cell</i> , 1983, 32, 735-744.	28.9	183
10	A role for the yeast La protein in U6 snRNP assembly: evidence that the La protein is a molecular chaperone for RNA polymerase III transcripts. <i>EMBO Journal</i> , 1998, 17, 7442-7453.	7.8	180
11	A possible role for the 60-kD Ro autoantigen in a discard pathway for defective 5S rRNA precursors.. <i>Genes and Development</i> , 1994, 8, 2891-2903.	5.9	174
12	A perinucleolar compartment contains several RNA polymerase III transcripts as well as the polypyrimidine tract-binding protein, hnRNP I [published erratum appears in <i>J Cell Biol</i> 1995 Jul;130(2):497-500]. <i>Journal of Cell Biology</i> , 1995, 129, 1181-1193.	5.2	170
13	Structural Insights into RNA Quality Control: The Ro Autoantigen Binds Misfolded RNAs via Its Central Cavity. <i>Cell</i> , 2005, 121, 529-539.	28.9	154
14	Signal recognition particle mediates a transient elongation arrest of preprolactin in reticulocyte lysate.. <i>Journal of Cell Biology</i> , 1989, 109, 2617-2622.	5.2	152
15	The <sc>R</sc> RNA</sc> ligase is an essential component of the metazoan unfolded protein response. <i>EMBO Reports</i> , 2014, 15, 1278-1285.	4.5	139
16	The trials and travels of tRNA: Figure 1.. <i>Genes and Development</i> , 1999, 13, 1-10.	5.9	138
17	A lupus-like syndrome develops in mice lacking the Ro 60-kDa protein, a major lupus autoantigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7503-7508.	7.1	133
18	Antibodies from patients with connective tissue diseases bind specific subsets of cellular RNA-protein particles.. <i>Journal of Clinical Investigation</i> , 1982, 70, 141-147.	8.2	118

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19	La proteins from <i>Drosophila melanogaster</i> and <i>Saccharomyces cerevisiae</i> : a yeast homolog of the La autoantigen is dispensable for growth.. <i>Molecular and Cellular Biology</i> , 1994, 14, 5412-5424.	2.3	116
20	A La protein requirement for efficient pre-tRNA folding. <i>EMBO Journal</i> , 2003, 22, 6562-6572.	7.8	99
21	Ro ribonucleoproteins contribute to the resistance of <i>Deinococcus radiodurans</i> to ultraviolet irradiation. <i>Genes and Development</i> , 2000, 14, 777-782.	5.9	96
22	Cellular RNA surveillance in health and disease. <i>Science</i> , 2019, 366, 822-827.	12.6	95
23	A subset of yeast snRNA's contains functional binding sites for the highly conserved Sm antigen. <i>Science</i> , 1987, 235, 328-331.	12.6	94
24	Structure of the La motif: a winged helix domain mediates RNA binding via a conserved aromatic patch. <i>EMBO Journal</i> , 2004, 23, 1000-1007.	7.8	94
25	The Ro Autoantigen Binds Misfolded U2 Small Nuclear RNAs and Assists Mammalian Cell Survival after UV Irradiation. <i>Current Biology</i> , 2003, 13, 2206-2211.	3.9	92
26	An RNA Degradation Machine Sculpted by Ro Autoantigen and Noncoding RNA. <i>Cell</i> , 2013, 153, 166-177.	28.9	81
27	Competition between the Rex1 exonuclease and the La protein affects both Trf4p-mediated RNA quality control and pre-tRNA maturation. <i>Rna</i> , 2008, 14, 1214-1227.	3.5	79
28	Xenopus Ro ribonucleoproteins: members of an evolutionarily conserved class of cytoplasmic ribonucleoproteins.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 7250-7254.	7.1	77
29	U snRNP assembly in yeast involves the La protein. <i>EMBO Journal</i> , 2000, 19, 1650-1660.	7.8	77
30	A guide to naming human non-coding RNA genes. <i>EMBO Journal</i> , 2020, 39, e103777.	7.8	77
31	The Ro 60kDa autoantigen: insights into cellular function and role in autoimmunity. <i>Journal of Molecular Medicine</i> , 2004, 82, 232-239.	3.9	73
32	The Subcellular Distribution of an RNA Quality Control Protein, the Ro Autoantigen, Is Regulated by Noncoding Y RNA Binding. <i>Molecular Biology of the Cell</i> , 2009, 20, 1555-1564.	2.1	70
33	Two Yeast La Motif-containing Proteins Are RNA-binding Proteins that Associate with Polyribosomes. <i>Molecular Biology of the Cell</i> , 1999, 10, 3849-3862.	2.1	68
34	From the elephant to <i>E. coli</i> : SRP-dependent protein targeting. <i>Cell</i> , 1994, 77, 787-790.	28.9	67
35	Structural and biochemical basis for misfolded RNA recognition by the Ro autoantigen. <i>Nature Structural and Molecular Biology</i> , 2006, 13, 1002-1009.	8.2	67
36	Transfer RNA is an essential component of the ubiquitin- and ATP-dependent proteolytic system.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 1341-1345.	7.1	66

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37	Binding of the 60-kDa Ro autoantigen to Y RNAs: Evidence for recognition in the major groove of a conserved helix. <i>Rna</i> , 1998, 4, 750-765.	3.5	65
38	Small Ribonucleoproteins from Eukaryotes: Structures and Roles in RNA Biogenesis. Cold Spring Harbor Symposia on Quantitative Biology, 1983, 47, 893-900.	1.1	64
39	Multiple Functional Interactions Between Components of the Lsm2-Lsm8 Complex, U6 snRNA, and the Yeast La Protein. <i>Genetics</i> , 2001, 158, 187-196.	2.9	63
40	Structure and function of the polymerase core of TRAMP, a RNA surveillance complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15045-15050.	7.1	60
41	Emerging roles for the Ro 60-kDa autoantigen in noncoding RNA metabolism. <i>Wiley Interdisciplinary Reviews RNA</i> , 2011, 2, 686-699.	6.4	56
42	The La protein functions redundantly with tRNA modification enzymes to ensure tRNA structural stability. <i>Rna</i> , 2006, 12, 644-654.	3.5	55
43	An ortholog of the Ro autoantigen functions in 23S rRNA maturation in <i>D. radiodurans</i> . <i>Genes and Development</i> , 2007, 21, 1328-1339.	5.9	53
44	Ro60 and Y RNAs: structure, functions, and roles in autoimmunity. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019, 54, 133-152.	5.2	51
45	Ro60 Requires Y3 RNA for Cell Surface Exposure and Inflammation Associated with Cardiac Manifestations of Neonatal Lupus. <i>Journal of Immunology</i> , 2013, 191, 110-116.	0.8	47
46	Analysis of the human immunodeficiency virus-1 RNA packageome. <i>Rna</i> , 2016, 22, 1228-1238.	3.5	46
47	The Ro 60 kDa autoantigen comes into focus: Interpreting epitope mapping experiments on the basis of structure. <i>Autoimmunity Reviews</i> , 2006, 5, 367-372.	5.8	43
48	Bacterial noncoding Y RNAs are widespread and mimic tRNAs. <i>Rna</i> , 2014, 20, 1715-1724.	3.5	43
49	Visual Analysis of the Yeast 5S rRNA Gene Transcriptome: Regulation and Role of La Protein. <i>Molecular and Cellular Biology</i> , 2008, 28, 4576-4587.	2.3	42
50	Discrete nascent chain lengths are required for the insertion of presecretory proteins into microsomal membranes. <i>Journal of Cell Biology</i> , 1993, 121, 1211-1219.	5.2	41
51	An Lsm2-Lsm7 Complex in <i>Saccharomyces cerevisiae</i> Associates with the Small Nucleolar RNA snR5. <i>Molecular Biology of the Cell</i> , 2004, 15, 2842-2852.	2.1	41
52	A retrovirus packages nascent host noncoding RNAs from a novel surveillance pathway. <i>Genes and Development</i> , 2015, 29, 646-657.	5.9	40
53	The Host RNAs in Retroviral Particles. <i>Viruses</i> , 2016, 8, 235.	3.3	40
54	A role for a bacterial ortholog of the Ro autoantigen in starvation-induced rRNA degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4022-4027.	7.1	39

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55	An intrinsically disordered C-terminus allows the La protein to assist the biogenesis of diverse noncoding RNA precursors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1308-1313.	7.1	38
56	Packaging of Host mY RNAs by Murine Leukemia Virus May Occur Early in Y RNA Biogenesis. <i>Journal of Virology</i> , 2009, 83, 12526-12534.	3.4	37
57	Emerging themes in non-coding RNA quality control. <i>Current Opinion in Structural Biology</i> , 2007, 17, 209-214.	5.7	36
58	Nuclear noncoding RNA surveillance: is the end in sight?. <i>Trends in Genetics</i> , 2012, 28, 306-313.	6.7	35
59	The RNA exosome nuclease complex regulates human embryonic stem cell differentiation. <i>Journal of Cell Biology</i> , 2019, 218, 2564-2582.	5.2	35
60	The zipcode-binding protein ZBP1 influences the subcellular location of the Ro 60-kDa autoantigen and the noncoding Y3 RNA. <i>Rna</i> , 2012, 18, 100-110.	3.5	33
61	An RNA Repair Operon Regulated by Damaged tRNAs. <i>Cell Reports</i> , 2020, 33, 108527.	6.4	33
62	Host RNA Packaging by Retroviruses: A Newly Synthesized Story. <i>MBio</i> , 2016, 7, e02025-15.	4.1	32
63	Non-coding Y RNAs as tethers and gates. <i>RNA Biology</i> , 2013, 10, 1602-1608.	3.1	30
64	RNA degradation: Sm-like proteins wring the neck of mRNA. <i>Current Biology</i> , 2000, 10, R478-R481.	3.9	28
65	Yeast Gis2 and Its Human Ortholog CNBP Are Novel Components of Stress-Induced RNP Granules. <i>PLoS ONE</i> , 2012, 7, e52824.	2.5	28
66	Accumulation of Antigen-Driven Lymphoproliferations in Complement Receptor 2/CD21 ^{low} B Cells From Patients With Sjögren's Syndrome. <i>Arthritis and Rheumatology</i> , 2018, 70, 298-307.	5.6	24
67	Noncoding RNA Surveillance: The Ends Justify the Means. <i>Chemical Reviews</i> , 2018, 118, 4422-4447.	47.7	20
68	Structural Basis for tRNA Mimicry by a Bacterial Y RNA. <i>Structure</i> , 2018, 26, 1635-1644.e3.	3.3	17
69	Bacterial Y RNAs: Gates, Tethers, and tRNA Mimics. <i>Microbiology Spectrum</i> , 2018, 6, .	3.0	17
70	The Bacterial Ro60 Protein and Its Noncoding Y RNA Regulators. <i>Annual Review of Microbiology</i> , 2020, 74, 387-407.	7.3	14
71	Expression of microtubule networks in normal cells, transformed cells, and their hybrids.. <i>Journal of Cell Biology</i> , 1979, 82, 76-85.	5.2	10
72	Recruitment of 7SL RNA to assembling HIV-1 virus-like particles. <i>Traffic</i> , 2018, 19, 36-43.	2.7	10

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73	Deletion of the <i>rnl</i> gene encoding a nick-sealing RNA ligase sensitizes <i>Deinococcus radiodurans</i> to ionizing radiation. <i>Nucleic Acids Research</i> , 2017, 45, gkx038.	14.5	9
74	Molecular Chaperones and Quality Control in Noncoding RNA Biogenesis. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 505-511.	1.1	8
75	Noncoding Y RNAs regulate the levels, subcellular distribution and protein interactions of their Ro60 autoantigen partner. <i>Nucleic Acids Research</i> , 2020, 48, 6919-6930.	14.5	8
76	Small cytoplasmic ribonucleoproteins. <i>Trends in Genetics</i> , 1985, 1, 201-204.	6.7	5
77	Small ribonucleoproteins. <i>Current Opinion in Structural Biology</i> , 1991, 1, 251-257.	5.7	5
78	Two for the price of one: RNA modification enzymes as chaperones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14176-14178.	7.1	4
79	The Autoantigen Repertoire and the Microbial RNP World. <i>Trends in Molecular Medicine</i> , 2021, 27, 422-435.	6.7	4
80	RNPs and autoimmunity: 20 years later. <i>Rna</i> , 2015, 21, 548-549.	3.5	3
81	Analyses of Ribosome Distribution During In Vitro Translation. , 1998, 77, 1-10.		2
82	Bacterial Y RNAs: Gates, Tethers, and tRNA Mimics. , 0, , 369-381.		1
83	An <i>MBoC</i> Favorite: The historic covers selected by Joseph Gall that graced <i>MBoC</i> from 1992 to 1996. <i>Molecular Biology of the Cell</i> , 2012, 23, 1797-1797.	2.1	0
84	Recognizing the 35th anniversary of the proposal that snRNPs are involved in splicing. <i>Molecular Biology of the Cell</i> , 2015, 26, 3557-3560.	2.1	0
85	Running Rings Around RNA: The role of Ro RNPs in RNA maturation and decay. <i>FASEB Journal</i> , 2008, 22, 527.3.	0.5	0
86	Support for a career in science. <i>Molecular Biology of the Cell</i> , 2021, 32, ae6.	2.1	0