

Cindy L Will

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

6,179
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

7346
citing authors

#	ARTICLE	IF	CITATIONS
1	The Spliceosome: Design Principles of a Dynamic RNP Machine. <i>Cell</i> , 2009, 136, 701-718.	28.9	2,190
2	Spliceosome Structure and Function. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a003707-a003707.	5.5	1,216
3	Small Nuclear Ribonucleoprotein Remodeling During Catalytic Activation of the Spliceosome. <i>Science</i> , 2002, 298, 2205-2208.	12.6	330
4	Isolation of an active step I spliceosome and composition of its RNP core. <i>Nature</i> , 2008, 452, 846-850.	27.8	330
5	Cryo-EM Structure of a Pre-catalytic Human Spliceosome Primed for Activation. <i>Cell</i> , 2017, 170, 701-713.e11.	28.9	217
6	Post-transcriptional spliceosomes are retained in nuclear speckles until splicing completion. <i>Nature Communications</i> , 2012, 3, 994.	12.8	211
7	Molecular Architecture of SF3b and Structural Consequences of Its Cancer-Related Mutations. <i>Molecular Cell</i> , 2016, 64, 307-319.	9.7	197
8	Semiquantitative Proteomic Analysis of the Human Spliceosome via a Novel Two-Dimensional Gel Electrophoresis Method. <i>Molecular and Cellular Biology</i> , 2011, 31, 2667-2682.	2.3	168
9	A subset of human 35S U5 proteins, including Prp19, function prior to catalytic step 1 of splicing. <i>EMBO Journal</i> , 2004, 23, 2381-2391.	7.8	159
10	Characterization of purified human B ^{act} spliceosomal complexes reveals compositional and morphological changes during spliceosome activation and first step catalysis. <i>Rna</i> , 2010, 16, 2384-2403.	3.5	142
11	Structural Insights into Nuclear pre-mRNA Splicing in Higher Eukaryotes. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a032417.	5.5	141
12	Splicing of a rare class of introns by the U12-dependent spliceosome. <i>Biological Chemistry</i> , 2005, 386, 713-24.	2.5	126
13	Structural Basis of Splicing Modulation by Antitumor Macrolide Compounds. <i>Molecular Cell</i> , 2018, 70, 265-273.e8.	9.7	126
14	Molecular Architecture of the Human Prp19/CDC5L Complex. <i>Molecular and Cellular Biology</i> , 2010, 30, 2105-2119.	2.3	120
15	Exon Definition Complexes Contain the Tri-snRNP and Can Be Directly Converted into B-like Precatalytic Splicing Complexes. <i>Molecular Cell</i> , 2010, 38, 223-235.	9.7	74
16	The RNA helicase Aquarius exhibits structural adaptations mediating its recruitment to spliceosomes. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 138-144.	8.2	67
17	A spliceosome intermediate with loosely associated tri-snRNP accumulates in the absence of Prp28 ATPase activity. <i>Nature Communications</i> , 2016, 7, 11997.	12.8	51
18	Mechanism of protein-guided folding of the active site U2/U6 RNA during spliceosome activation. <i>Science</i> , 2020, 370, .	12.6	50

#	ARTICLE	IF	CITATIONS
19	Identification of a small molecule inhibitor that stalls splicing at an early step of spliceosome activation. <i>ELife</i> , 2017, 6, .	6.0	40
20	Novel regulatory principles of the spliceosomal Brr2 RNA helicase and links to retinal disease in humans. <i>RNA Biology</i> , 2014, 11, 298-312.	3.1	39
21	SUMO conjugation to spliceosomal proteins is required for efficient pre-mRNA splicing. <i>Nucleic Acids Research</i> , 2017, 45, 6729-6745.	14.5	35
22	Smu1 and RED are required for activation of spliceosomal B complexes assembled on short introns. <i>Nature Communications</i> , 2019, 10, 3639.	12.8	26
23	Multiple protein-protein interactions converging on the Prp38 protein during activation of the human spliceosome. <i>Rna</i> , 2016, 22, 265-277.	3.5	24
24	Rational Design of Cyclic Peptide Inhibitors of U2AF Homology Motif (UHM) Domains To Modulate Pre-mRNA Splicing. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10190-10197.	6.4	20
25	Identification of phenothiazine derivatives as UHM-binding inhibitors of early spliceosome assembly. <i>Nature Communications</i> , 2020, 11, 5621.	12.8	20
26	The RES complex is required for efficient transformation of the precatalytic B spliceosome into an activated B ^{act} complex. <i>Genes and Development</i> , 2017, 31, 2416-2429.	5.9	18
27	The Sm-core mediates the retention of partially-assembled spliceosomal snRNPs in Cajal bodies until their full maturation. <i>Nucleic Acids Research</i> , 2018, 46, 3774-3790.	14.5	17
28	Stable tri-snRNP integration is accompanied by a major structural rearrangement of the spliceosome that is dependent on Prp8 interaction with the 5' splice site. <i>Rna</i> , 2015, 21, 1993-2005.	3.5	10
29	U6atac snRNA stem-loop interacts with U12 p65 RNA binding protein and is functionally interchangeable with the U12 apical stem-loop III. <i>Scientific Reports</i> , 2016, 6, 31393.	3.3	8
30	Multiple RNA-RNA tertiary interactions are dispensable for formation of a functional U2/U6 RNA catalytic core in the spliceosome. <i>Nucleic Acids Research</i> , 2018, 46, 12126-12138.	14.5	7